

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: HARDEE Examiner #: 2 Date: 1/17/03
Art Unit: 1756 Phone Number 305-5549 Serial Number: 08/846,654
Mail Box and Bldg/Room Location: 9B36 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: 7

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Whatever you can find. Thanks

STAFF USE ONLY

Searcher: KOROMA, RM
Searcher Phone #: 305-3542
Searcher Location: EIC 1700
Date Searcher Picked Up: 1/27/03
Date Completed: 1/27/03
Searcher Prep & Review Time: 30 min
Clerical Prep Time: _____
Online Time: 1h 50 min

Type of Search

NA Sequence (#) _____
AA Sequence (#) _____
Structure (#) _____
Bibliographic ☒
Litigation _____
Fulltext _____
Patent Family _____
Other _____

Vendors and cost where applicable

STN ☒
Dialog _____
Questel/Orbit _____
Dr.Link _____
Lexis/Nexis _____
Sequence Systems _____
WWW/Internet _____
Other (specify) _____

Page 1hardy654

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SET COMMAND COMPLETED

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FILE 'REGISTRY' ENTERED AT 11:05:04 ON 27 JAN 2003
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 24 JAN 2003 HIGHEST RN 481628-73-3
DICTIONARY FILE UPDATES: 24 JAN 2003 HIGHEST RN 481628-73-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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FILE COVERS 1907 - 27 Jan 2003 VOL 138 ISS 5
FILE LAST UPDATED: 26 Jan 2003 (20030126/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

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KOROMA EIC1700

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L219(1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	80-26-2/RN
L220(0) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	76-69-3/RN
L221(1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	78-69-3/RN
L222(1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	18479-57-7/RN
L223(1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	177772-08-6/RN
L224(1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	2463-77-6/RN
L225(1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	88-41-5/RN
L226(1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	449205-30-5/RN
L227(1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	123-68-2/RN
L228(1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	628-63-7/RN
L229(1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	624-54-4/RN
L230(1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	100-66-3/RN
L231(1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	100-52-7/RN

L232 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	140-11-4/RN
L233 (	0) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	S 2550-26-7/RN
L234 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	2550-26-7/RN
L235 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	98-55-5/RN
L236 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	104-57-4/RN
L237 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	122-63-4/RN
L238 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	464-49-3/RN
L239 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	6485-40-1/RN
L240 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	2244-16-8/RN
L241 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	104-54-1/RN
L242 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	104-65-4/RN
L243 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	488-10-8/RN
L244 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	3681-71-8/RN
L245 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	5392-40-5/RN
L246 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	536-60-7/RN
L247 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	122-03-2/RN
L248 (	0) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	5439-16-4/RN
L249 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	15439-16-4/RN
L250 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	100-86-7/RN
L251 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	151-05-3/RN
L252 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	141-78-6/RN
L253 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	141-97-9/RN
L254 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	106-68-3/RN
L255 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	93-89-0/RN
L256 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	105-54-4/RN
L257 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	39255-32-8/RN
L258 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	925-78-0/RN
L259 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	4940-11-8/RN
L260 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	101-97-3/RN
L261 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	470-82-6/RN
L262 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	97-53-0/RN
L263 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	1632-73-1/RN
L264 (	0) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	24899-75-8/RN
L265 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	124899-75-8/RN
L266 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	76842-49-4/RN
L267 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	104-61-0/RN
L268 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	106-24-1/RN
L269 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	928-96-1/RN
L270 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	142-92-7/RN
L271 (	0) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	627-33-4/RN
L272 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	629-33-4/RN
L273 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	1123-85-9/RN
L274 (	0) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	107-93-0/RN
L275 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	107-75-5/RN
L276 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	123-51-3/RN
L277 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	4861-85-2/RN
L278 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	89-79-2/RN
L279 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	119-65-3/RN
L280 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	78-70-6/RN
L281 (	0) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	365-19-1/RN
L282 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	89-80-5/RN
L283 (	27) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	L173 OR L174 OR L175 OR L176
L284 (	48) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	L283 OR L203 OR L204 OR L205
L285 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	110-43-0/RN
L286 (	24) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	L227 OR L228 OR L229 OR L230
L287 (	984) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	L253 OR L254 OR L255 OR L256
L288 (	1008) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	L286 OR L287
L289 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	134-20-3/RN
L290 (	1) SEA	FILE=REGISTRY	ABB=ON	PLU=ON	93-58-3/RN

L291(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	93-92-5/RN
L292(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	93-15-2/RN
L293(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	110-93-0/RN
L294(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	821-55-6/RN
L295(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	111-13-7/RN
L296(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	234435-95-1/RN
L297(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	119-36-8/RN
L298(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	3301-94-8/RN
L299(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	104-50-7/RN
L300(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	123-96-6/RN
L301(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	124-13-0/RN
L302(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	122-78-1/RN
L303(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	103-45-7/RN
L304(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	60-12-8/RN
L305(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	103-05-9/RN
L306(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	1191-16-8/RN
L307(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	105-66-8/RN
L308(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	16409-43-1/RN
L309(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	94-59-7/RN
L310(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	562-74-3/RN
L311(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	91-16-7/RN
L312(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	449203-70-7/RN
L313(	24) SEA FILE=REGISTRY	ABB=ON	PLU=ON	L289 OR L290 OR L291 OR L292
L314	1032 SEA FILE=REGISTRY	ABB=ON	PLU=ON	L288 OR L313

 ACT HAR654D/A

L315(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	127-91-3/RN
L316(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	112-31-2/RN
L317(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	57378-68-4/RN
L318(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	5146-66-7/RN
L319(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	449203-66-1/RN
L320(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	449203-69-4/RN
L321(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	110-41-8/RN
L322(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	177772-08-6/RN
L323(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	88-41-5/RN
L324(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	32210-23-4/RN
L325(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	78-69-3/RN
L326	11 SEA FILE=REGISTRY	ABB=ON	PLU=ON	L315 OR L316 OR L317 OR L318

 ACT HAR654E/A

L327(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	123-68-2/RN
L328(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	2550-26-7/RN
L329(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	2305-21-7/RN
L330(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	151-05-3/RN
L331(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	4940-11-8/RN
L332(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	39255-32-8/RN
L333(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	470-82-6/RN
L334(	0) SEA FILE=REGISTRY	ABB=ON	PLU=ON	24899-75-8/RN
L335(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	171102-41-3/RN
L336(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	76842-49-4/RN
L337(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	234435-95-1/RN
L338(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	93-92-5/RN
L339(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	124-13-0/RN
L340(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	1191-16-8/RN
L341(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	22457-23-4/RN
L342(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	562-74-3/RN
L343(	1) SEA FILE=REGISTRY	ABB=ON	PLU=ON	449203-70-7/RN

L344 16 SEA FILE=REGISTRY ABB=ON PLU=ON L327 OR L328 OR L329 OR L330

ACT HAR654F/A

L345 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	2049-96-9/RN
L346 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	7779-65-9
L347 (	0) SEA FILE=REGISTRY ABB=ON	PLU=ON	122-4--7/RN
L348 (	0) SEA FILE=REGISTRY ABB=ON	PLU=ON	122-4-7/RN
L349 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	122-40-7/RN
L350 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	91-87-2/RN
L351 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	89-43-0/RN
L352 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	119-61-9/RN
L353 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	118-58-1/RN
L354 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	87-44-5/RN
L355 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	77-53-2/RN
L356 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	77-54-3/RN
L357 (	0) SEA FILE=REGISTRY ABB=ON	PLU=ON	22-69-0/RN
L358 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	122-69-0/RN
L359 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	449203-72-9/RN
L360 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	97-89-2/RN
L361 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	449203-73-0/RN
L362 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	25485-88-5/RN
L363 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	103-95-7/RN
L364 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	449203-74-1/RN
L365 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	713-95-1/RN
L366 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	37172-53-5/RN
L367 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	101-81-5/RN
L368 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	105-95-3/RN
L369 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	125109-85-5/RN
L370 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	1222-05-5/RN
L371 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	73888-22-9/RN
L372 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	2345-26-8/RN
L373 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	423773-57-3/RN
L374 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	109-29-5/RN
L375 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	65405-77-8/RN
L376 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	101-86-0/RN
L377 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	109-29-5/RN
L378 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	68141-26-4/RN
L379 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	79-69-6/RN
L380 (	0) SEA FILE=REGISTRY ABB=ON	PLU=ON	26-64-7/RN
L381 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	126-64-7/RN
L382 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	93-04-9/RN
L383 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	95962-14-4/RN
L384 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	449203-79-6/RN
L385 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	15323-35-0/RN
L386 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	94-47-3/RN
L387 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	102-20-5/RN
L388 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	21145-77-7/RN
L389 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	692-86-4/RN
L390 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	104-67-6/RN
L391 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	449205-30-5/RN
L392 (	34) SEA FILE=REGISTRY ABB=ON	PLU=ON	L345 OR L346 OR L347 OR L348
L393	42 SEA FILE=REGISTRY ABB=ON	PLU=ON	L392 OR L384 OR L385 OR L386

ACT HAR654G/A

L394 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	449203-72-9/RN
L395 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	423773-57-3/RN
L396 (	1) SEA FILE=REGISTRY ABB=ON	PLU=ON	101-86-0/RN

L397(1)SEA FILE=REGISTRY ABB=ON PLU=ON 54464-57-2/RN
L398(1)SEA FILE=REGISTRY ABB=ON PLU=ON 79-69-6/RN
L399(1)SEA FILE=REGISTRY ABB=ON PLU=ON 449203-79-6/RN
L400(1)SEA FILE=REGISTRY ABB=ON PLU=ON 125109-85-5/RN
L401(1)SEA FILE=REGISTRY ABB=ON PLU=ON 95962-14-4/RN
L402(1)SEA FILE=REGISTRY ABB=ON PLU=ON 104-67-6/RN
L403 9 SEA FILE=REGISTRY ABB=ON PLU=ON L394 OR L395 OR L396 OR L397

ACT HAR654I/A

L404(1)SEA FILE=REGISTRY ABB=ON PLU=ON 94-36-0/RN
L405(1)SEA FILE=REGISTRY ABB=ON PLU=ON 3034-79-5/RN
L406(1)SEA FILE=REGISTRY ABB=ON PLU=ON 24163-35-7/RN
L407 3 SEA FILE=REGISTRY ABB=ON PLU=ON L404 OR L405 OR L406

L408 48 S L1-L54
L409 50 S L111-L166
L410 1032 S L409 OR L169 OR L292-L315
L411 1 S L169
L412 21 S L292-L312
L413 1 S 562-74-3/RN
L414 1 S 91-16-7/RN
L415 1 S 449203-70-7/RN
L416 72 S L409 OR L411-L415
L417 11 S L326
L418 16 S L344
L419 42 S L393
L420 9 S L403
L421 3 S L407

FILE 'HCAPLUS' ENTERED AT 10:46:22 ON 27 JAN 2003

L422 29936 S L408 OR L417
L423 131446 S L344 OR L416
L424 16427 S L422 AND L423
L425 224 S L424 AND DETERGENTS/SC
L426 2 S L425 AND L421
L427 109 S L425 AND (L419 OR L420)
L428 2 S L426 AND L427
L429 17 S L425 AND ?DISH?
L430 18 S L429 OR L428
SET COST OFF

FILE 'REGISTRY' ENTERED AT 10:59:08 ON 27 JAN 2003

FILE 'HCAPLUS' ENTERED AT 10:59:14 ON 27 JAN 2003
SET COST OFF

FILE 'REGISTRY' ENTERED AT 11:00:49 ON 27 JAN 2003

FILE 'HCAPLUS' ENTERED AT 11:01:04 ON 27 JAN 2003
SET COST OFF

FILE 'REGISTRY' ENTERED AT 11:05:04 ON 27 JAN 2003

FILE 'HCAPLUS' ENTERED AT 11:05:09 ON 27 JAN 2003

=> d ibib abs ind total 1430

L430 ANSWER 1 OF 18 HCAPLUS COPYRIGHT 2003 ACS

KOROMA EIC1700

ACCESSION NUMBER: 2002:686617 HCAPLUS
 DOCUMENT NUMBER: 137:203062
 TITLE: Viscous liquid **dishwashing** detergent with long-lasting scent
 INVENTOR(S): Iihara, Tadashi; Koga, Takeichiro; Sonoda, Akiko
 PATENT ASSIGNEE(S): Lion Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002256300	A2	20020911	JP 2001-109276	20010302
PRIORITY APPLN. INFO.:			JP 2001-109276	20010302
AB	Title compn., having viscosity at 25.degree. of 200-600 mPas, comprises (A) surfactant 30-60 wt% and (B) perfumes having b.p. 150-300 0.05-1.0 wt%. Thus, a compn., showing excellent detergency and foaming ability, was formulated by mixing sodium C12-alkyl ether sulfate 15, sodium C14-.alpha.-olefin sulfate 5, C12-alkyl amine oxide 5, polyethylene glycol C15-alkyl ether 2, fatty acid diethanolamine 4, ethanol 4, p-toluene sulfonic acid 5, limonene 0.15, linalool 0.01, pinene 0.01, and citral 0.01 part.			
IC	ICM C11D017-08 ICS C11D001-02; C11D001-66; C11D001-75; C11D001-90; C11D003-37; C11D003-50; C11D010-02; C11D017-04			
CC	46-6 (Surface Active Agents and Detergents)			
ST	viscous liq dishwashing detergent limonene linalool pinene citral			
IT	Amine oxides Betaines RL: TEM (Technical or engineered material use); USES (Uses) (ampholytic surfactant; formulation of viscous liq. dishwashing detergent with long-lasting scent)			
IT	Surfactants (amphoteric; formulation of viscous liq. dishwashing detergent with long-lasting scent)			
IT	Surfactants (anionic; formulation of viscous liq. dishwashing detergent with long-lasting scent)			
IT	Detergents (dishwashing , liq.; formulation of viscous liq. dishwashing detergent with long-lasting scent)			
IT	Perfumes (formulation of viscous liq. dishwashing detergent with long-lasting scent)			
IT	Surfactants (nonionic; formulation of viscous liq. dishwashing detergent with long-lasting scent)			
IT	7757-82-6D, Sodium sulfate, alkyl derivs. RL: TEM (Technical or engineered material use); USES (Uses) (anionic surfactant; formulation of viscous liq. dishwashing detergent with long-lasting scent)			
IT	78-70-6, Linalool 85-91-6, Methyl anthranilate 89-80-5, Menthone 93-28-7, Eugenol acetate 97-53-0, Eugenol 98-86-2, Acetophenone, uses 99-49-0, Carvone 100-51-6, Benzyl alcohol, uses 101-97-3, Ethyl phenylacetate 103-36-6,			

Ethyl cinnamate 103-54-8, Cinnamyl acetate 104-46-1, Anethole
104-54-1, Cinnamic alcohol 104-55-2, Cinnamic aldehyde
 106-23-0, Citronellal **106-24-1**, Geraniol 106-25-2, Nerol
 106-32-1, Ethyl caprylate 112-45-8, Undecylene aldehyde **115-95-7**
119-36-8, Methyl salicylate 120-51-4, Benzyl benzoate
 120-57-0, 1,3-Benzodioxole-5-carboxaldehyde 121-33-5 **122-03-2**
122-63-4, Benzyl propionate 134-20-3 138-86-3, Limonene
140-11-4, Benzyl acetate **150-84-5**, Citronellyl acetate
470-82-6 507-70-0, Borneol 1330-16-1, Pinene 1490-04-6,
 Menthol **5392-40-5**, Citral 8000-41-7, Terpineol 8013-00-1,
 Terpinene 26444-19-9, Methylacetophenone 39350-49-7, Hexylcinnamic
 aldehyde 50984-52-6, Anisaldehyde 128196-32-7
 RL: MOA (Modifier or additive use); USES (Uses)
 (perfume; formulation of viscous liq. **dishwashing** detergent
 with long-lasting scent)

L430 ANSWER 2 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:637781 HCAPLUS

DOCUMENT NUMBER: 137:187416

TITLE: Automatic **dishwashing** compositions
 comprising blooming perfume and base masking
 ingredients

INVENTOR(S): Clare, Jonathan Richard; Kaiser, Carl-eric; Pankratz,
 Virginia

PATENT ASSIGNEE(S): The Procter & Gamble Company, USA

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002064723	A2	20020822	WO 2002-US4446	20020213
WO 2002064723	A3	20021010		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,			
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,			
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,			
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,			
	PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,			
	UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,			
	CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,			
	BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2002169091	A1	20021114	US 2001-783510	20010214

PRIORITY APPLN. INFO.: US 2001-783510 A 20010214

AB Automatic **dishwashing** detergent compns. comprises bleaching
 agent or enzyme preferably amylase and/or protease enzymes, 10-75%
 detergent builder, adjunct material, and 0.01-5% blooming perfume compn.
 contg. 50-90% blooming perfume ingredients having a b.p. of less than
 about 260.degree.C and a ClogP of at least about 3, and wherein said
 perfume compn. comprises at least 5 different blooming perfume
 ingredients, and 0.5-10% base masking perfume ingredients having a b.p. of
 more than about 260.degree. and a ClogP of at least about 3.

IC ICM C11D003-50

ICS C11D003-39; C11D003-395; C11D003-386; C11D003-06; C11D011-00

CC 46-6 (Surface Active Agents and **Detergents**)

ST **dishwashing** compn blooming base masking perfume

IT Detergents
(bleaching; **dishwashing** detergent compns.)

IT Perfumes
(**dishwashing** detergent compns.)

-IT Detergents
(**dishwashing**, gels; **dishwashing** detergent compns.)

IT Detergents
(**dishwashing**, liq.; **dishwashing** detergent compns.)

IT Detergents
(enzyme-contg.; **dishwashing** detergent compns.)

IT 37172-53-5, Methyl 2-hexyl-3-oxo-cyclopentanecarboxylate
RL: TEM (Technical or engineered material use); USES (Uses)
(Dihydro Isojasmonate, base masking perfume; **dishwashing** detergent compns.)

IT 55066-48-3, 3-Methyl-5-phenyl-1-pentanol
RL: TEM (Technical or engineered material use); USES (Uses)
(Ph Hexanol, base masking perfume; **dishwashing** detergent compns.)

IT 101-48-4, Phenylacetaldehyde dimethyl acetal
RL: TEM (Technical or engineered material use); USES (Uses)
(Veridine, delayed blooming perfume; **dishwashing** detergent compns.)

IT 77-53-2, Cedrol 77-54-3, Cedryl acetate 79-69-6 80-54-6, Lilial 87-20-7, Isopentyl salicylate 87-44-5 89-43-0, Aurantiol 91-87-2 93-04-9, 2-Methoxy Naphthalene 94-47-3, Phenethyl benzoate 97-89-2, Citronellyl isobutyrate 101-81-5, Diphenylmethane 101-86-0 102-20-5, Phenethyl phenylacetate 103-95-7, Cyclamen aldehyde 104-67-6 105-95-3, Ethylene brassylate 106-02-5, Pentadecanolide 109-29-5, Hexadecanolide 118-58-1, Benzyl salicylate 119-61-9, Benzophenone, uses 122-40-7 122-69-0, Cinnamyl cinnamate 123-69-3, Ambrettolide 126-64-7, Linalyl benzoate 692-86-4 710-04-3 713-95-1 1222-05-5, Galaxolide 1725-01-5, 1,8-Dioxacycloheptadecan-9-one 2049-96-9, Amyl benzoate 2345-26-8, Geranyl isobutyrate 5986-55-0, Patchouli alcohol 6259-76-3 7388-22-9 7779-65-9, Isoamyl cinnamate 15323-35-0, Phantolide 21145-77-7, Tonalid 25485-88-5, Cyclohexyl salicylate 54464-57-2, Iso E Super 65405-77-8 68141-26-4, 6-Isobutylquinoline 95962-14-4, Nectaryl 125109-85-5, Florhydral 423773-57-3, Habanolide 449203-72-9, Citrathal 449203-73-0, Clonal 449203-74-1, Cyclabute 449203-79-6, Neobutenone 449205-30-5, Vertinert Acetate
RL: TEM (Technical or engineered material use); USES (Uses)
(base masking perfume; **dishwashing** detergent compns.)

IT 78-69-3, Tetrahydrolinalool 79-77-6 79-92-5, Camphene 80-26-2 80-56-8 88-41-5, Verdox 99-85-4 99-86-5 99-87-6 101-84-8, Diphenyloxide 103-37-7, Benzyl butyrate 105-86-2, Geranyl formate 105-87-3, Geranyl acetate 106-21-8, 3,7-Dimethyl-1-octanol 106-22-9, Citronellol 110-41-8 112-31-2, Decyl Aldehyde 112-54-9, Lauraldehyde 115-95-7, Linalyl acetate 120-50-3, Isobutyl benzoate 123-35-3 124-19-6, Nonylaldehyde 125-12-2, Isobornyl acetate 127-41-3 127-91-3 140-67-0, Methyl Chavicol 141-12-8, Neryl acetate 141-14-0, Citronellyl propionate 142-19-8, Allyl heptanoate 143-13-5, Nonyl acetate 150-84-5, Citronellyl acetate 499-75-2, Carvacrol 586-62-9 673-84-7, AlloOcimene 2463-77-6, 2-Undecenal 2623-23-6 2705-87-5, Allyl cyclohexanepropionate 4180-23-8 5146-66-7, Geranyl nitrile 5434-57-1 5989-27-5 13851-11-1, Fenchyl acetate 16930-96-4, Hexyl tiglate 18479-57-7, Tetrahydromyrcenol 19009-56-4

, Methyl octyl acetaldehyde 21722-83-8, Cyclohexylethyl acetate 27458-94-2, Isononyl alcohol 29350-73-0, Cadinene 32210-23-4, Vertenex 40379-24-6, Isononyl acetate 41519-23-7 51566-62-2, Citronellyl nitrile 53219-21-9, Dihydromyrcenol 57378-68-4 57576-09-7, Isopulegyl acetate 67883-79-8 88969-41-9, Dihydromyrcenyl acetate 177772-08-6, Undecavertol 449203-66-1, Lorysia 449203-69-4, Lymolene
 RL: TEM (Technical or engineered material use); USES (Uses)
 (blooming perfume; **dishwashing** detergent compns.)

IT 60-12-8, Phenethyl alcohol 78-70-6, Linalool 89-79-2, Isopulegol 89-80-5, Menthone 89-82-7, (+)-Pulegone 91-16-7, Veratrole 93-15-2, Methyl Eugenol 93-58-3, Methyl benzoate 93-89-0, Ethyl benzoate 93-92-5, Methyl Phenyl Carbinyl Acetate 94-59-7, Safrole 97-53-0, Eugenol 98-55-5 100-06-1 100-51-6, Benzyl alcohol, uses 100-52-7, Benzaldehyde, uses 100-66-3, Anisole, uses 100-86-7, Dimethyl benzyl carbinol 101-97-3, Ethyl phenyl acetate 103-05-9, Phenyl Ethyl dimethyl Carbinol 103-45-7, 2-Phenylethyl acetate 104-50-7 104-54-1, Cinnamic alcohol 104-57-4, Benzyl formate 104-61-0 104-65-4, Cinnamyl formate 104-93-8 105-54-4, Ethyl butanoate 105-66-8, Propyl butanoate 106-24-1 106-25-2, Nerol 106-44-5, uses 106-68-3, Ethyl amyl ketone 107-75-5, Hydroxycitronellal 110-43-0, Methyl pentyl ketone 110-93-0, Methyl Heptenone 111-13-7, Methyl Hexyl ketone 119-36-8, Methyl salicylate 119-65-3, Isoquinoline 120-72-9, Indole, uses 122-00-9 122-03-2, Cuminaldehyde 122-63-4, Benzyl propionate 122-78-1, Phenylacetaldehyde 122-99-6, 2-Phenoxyethanol 123-11-5, uses 123-51-3, Isoamyl alcohol 123-68-2, Allyl caproate 123-96-6, 2-Octanol 124-13-0, Octyl Aldehyde 134-20-3, Methyl anthranilate 140-11-4, Benzyl acetate 141-78-6, Ethyl acetate, uses 141-97-9, Ethyl acetoacetate 142-92-7, Hexyl acetate 151-05-3, Dimethyl benzyl carbinyl acetate 464-49-3, (+)-Camphor 470-82-6, Eucalyptol 488-10-8 536-60-7, Cumic alcohol 562-74-3, 4-Terpinenol 610-16-2 624-54-4, Amyl Propionate 628-63-7, Amyl acetate 629-33-4, Hexyl formate 821-55-6, Methyl Heptyl ketone 925-78-0, 3-Nonanone 928-96-1 1123-85-9, Hydratropic alcohol 1191-16-8, Prenyl acetate 1365-19-1, Linalool oxide 1632-73-1, Fenchyl alcohol 2244-16-8, (+)-Carvone 2305-21-7, 2-Hexen-1-ol 2550-26-7, Benzylacetone 3301-94-8 3681-71-8 4861-85-2, Isopropyl phenylacetate 4940-11-8, Ethyl Maltol 5392-40-5, Citral 6485-40-1 7452-79-1 15439-16-4, Cyclal 16409-43-1, Rose oxide 22457-23-4, Stemone 39255-32-8, Ethyl-2-methyl pentanoate 54140-14-6 68039-49-6, Triplal 76842-49-4, Frutene 124899-75-8 171102-41-3, Flor Acetate 234435-95-1, Methyl pamplemousse 449203-70-7, Violiff
 RL: TEM (Technical or engineered material use); USES (Uses)
 (delayed blooming perfume; **dishwashing** detergent compns.)
 IT 9000-92-4, Amylase 9001-92-7, Protease
 RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
 (**dishwashing** detergent compns.)

L430 ANSWER 3 OF 18 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:637780 HCAPLUS
 DOCUMENT NUMBER: 137:187415
 TITLE: Automatic **dishwashing** detergent compositions
 comprising diacyl peroxide bleach and blooming perfume
 INVENTOR(S): Clare, Jonathan Richard
 PATENT ASSIGNEE(S): The Procter & Gamble Company, USA
 SOURCE: PCT Int. Appl., 46 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002064722	A2	20020822	WO 2002-US4441	20020213
WO 2002064722	A3	20021114		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002169091	A1	20021114	US 2001-783510	20010214
PRIORITY APPLN. INFO.:			US 2001-783510	A 20010214
			US 2001-846654	A 20010501
AB	Automatic dishwashing detergent compns. comprises diacyl peroxide bleaching agent and 0.01-5% blooming perfume compn. contg. 15-60%, preferably 20-50% blooming perfume ingredients having a b.p. of less than about 260.degree.C and a ClogP of at least about 3; 15-70% delayed blooming perfume ingredients having a b.p. of less than about 260.degree. and a ClogP of less than about 3, wherein the wt. ratio of blooming perfume ingredients to delayed blooming perfume ingredients is from about 0.25 to about 1.5; 1-30% base masking perfume ingredients having a b.p. of more than 260 .degree.C and a ClogP of at least 3.			
IC	ICM C11D003-50 ICS C11D003-39			
CC	46-6 (Surface Active Agents and Detergents)			
ST	dishwashing detergent compn diacyl peroxide bleach blooming perfume			
IT	Detergents (bleaching; dishwashing detergent compns.)			
IT	Perfumes (dishwashing detergent compns.)			
IT	Detergents (dishwashing , gels; dishwashing detergent compns.)			
IT	Detergents (dishwashing , liq.; dishwashing detergent compns.)			
IT	37172-53-5, Methyl 2-hexyl-3-oxo-cyclopentanecarboxylate RL: TEM (Technical or engineered material use); USES (Uses) (Dihydro Isojasmonate, base masking perfume; dishwashing detergent compns.)			
IT	55066-48-3, 3-Methyl-5-phenyl-1-pentanol RL: TEM (Technical or engineered material use); USES (Uses) (Ph Hexanol, base masking perfume; dishwashing detergent			

compsns.)

IT 101-48-4, Phenylacetaldehyde dimethyl acetal
 RL: TEM (Technical or engineered material use); USES (Uses)
 (Veridine, delayed blooming perfume; **dishwashing** detergent
 compsns.)

IT 77-53-2, Cedrol 77-54-3, Cedryl acetate 79-69-6
 80-54-6, Lilial 87-20-7, Isopentyl salicylate 87-44-5,
 .beta.-Caryophyllene 89-43-0, Aurantiol 91-87-2,
 .alpha.-Amylcinnamaldehyde dimethyl acetal 93-04-9, 2-Methoxy
 Naphthalene 94-47-3, Phenethyl benzoate 97-89-2,
 Citronellyl isobutyrate 101-81-5, Diphenylmethane
 101-86-0, .alpha.-Hexylcinnamaldehyde 102-20-5,
 Phenethyl phenylacetate 103-95-7, Cyclamen aldehyde
 104-67-6, .gamma.-Undecalactone 105-95-3, Ethylene
 brassylate 106-02-5, Pentadecanolide 109-29-5, Hexadecanolide
 118-58-1, Benzyl salicylate 119-61-9, Benzophenone, uses
 122-40-7, .alpha.-Amylcinnamaldehyde 122-69-0, Cinnamyl
 cinnamate 123-69-3, Ambrettolide 126-64-7, Linalyl benzoate
 692-86-4 710-04-3, .delta.-Undecalactone 713-95-1,
 .delta.-Dodecalactone 1222-05-5, Galaxolide 1725-01-5,
 1,8-Dioxacycloheptadecan-9-one 2049-96-9, Amyl benzoate
 2345-26-8, Geranyl isobutyrate 5986-55-0, Patchouli alcohol
 6259-76-3, n-Hexyl salicylate 7388-22-9, .gamma.-Methyl Ionone
 7779-65-9, Isoamyl cinnamate 15323-35-0, Phantolide
 21145-77-7, Tonalid 25485-88-5, Cyclohexyl salicylate
 54464-57-2, Iso E Super 65405-77-8, cis-3-Hexenyl
 salicylate 68141-26-4, 6-Isobutylquinoline 95962-14-4,
 Nectaryl 125109-85-5, Florhydral 423773-57-3,
 Habanolide 449203-72-9, Citrathal 449203-73-0, Clonal
 449203-74-1, Cyclabute 449203-79-6, Neobutenone
 449205-30-5, Vertinert Acetate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (base masking perfume; **dishwashing** detergent compsns.)

IT 94-36-0, Dibenzoyl peroxide, uses 3034-79-5
 10484-48-7, Benzoyl succinyl peroxide 24163-35-7 37051-42-6,
 Diphthaloyl peroxide
 RL: TEM (Technical or engineered material use); USES (Uses)
 (bleaching agent; **dishwashing** detergent compsns.)

IT 78-69-3, Tetrahydrolinalool 79-77-6, .beta.-Ionone
 79-92-5, Camphene 80-26-2, .alpha.-Terpinyl acetate
 80-56-8, .alpha.-Pinene 88-41-5, Verdox 99-85-4
 , .gamma.-Terpinene 99-86-5, .alpha.-Terpinene 99-87-6
 101-84-8, Diphenyloxide 103-37-7, Benzyl butyrate
 105-86-2, Geranyl formate 105-87-3, Geranyl acetate
 106-21-8, 3,7-Dimethyl-1-octanol 106-22-9, Citronellol
 110-41-8, Methyl n-Nonyl acetaldehyde 112-31-2, Decyl
 Aldehyde 112-54-9, Lauraldehyde 115-95-7, Linalyl acetate
 120-50-3, Isobutyl benzoate 123-35-3, .beta.-Myrcene
 124-19-6, Nonylaldehyde 125-12-2, Isobornyl acetate
 127-41-3, .alpha.-Ionone 127-91-3, .beta.-Pinene
 140-67-0, Methyl Chavicol 141-12-8, Neryl acetate
 141-14-0, Citronellyl propionate 142-19-8, Allyl
 heptanoate 143-13-5, Nonyl acetate 150-84-5,
 Citronellyl acetate 499-75-2, Carvacrol 586-62-9
 673-84-7, AlloOcimene 2463-77-6, 2-Undecenal 2623-23-6
 2705-87-5, Allyl cyclohexanepropionate 4180-23-8,
 trans-Anethole 5146-66-7, Geranyl nitrile 5434-57-1
 5989-27-5 13851-11-1, Fenchyl acetate 16930-96-4,
 Hexyl tiglate 18479-57-7, Tetrahydromyrcenol 19009-56-4

, Methyl octyl acetaldehyde 21722-83-8, Cyclohexylethyl acetate 27458-94-2, Isononyl alcohol 29350-73-0, Cadinene 32210-23-4, Vertenex 40379-24-6, Isononyl acetate 41519-23-7, cis-3-Hexenyl isobutyrate 51566-62-2, Citronellyl nitrile 53219-21-9, Dihydromyrcenol 57378-68-4, .delta.-Damascone 57576-09-7, Isopulegyl acetate 67883-79-8, cis-3-Hexenyl tiglate 88969-41-9, Dihydromyrcenyl acetate 17772-08-6, Undecavertol 449203-66-1, Lorysia 449203-69-4, Lymolene
 RL: TEM (Technical or engineered material use); USES (Uses) (blooming perfume; **dishwashing** detergent compns.)

IT 60-12-8, Phenethyl alcohol 78-70-6, Linalool 89-79-2, Isopulegol 89-80-5, Menthone 89-82-7, (+)-Pulegone 91-16-7, Veratrole 93-15-2, Methyl Eugenol 93-58-3, Methyl benzoate 93-89-0, Ethyl benzoate 93-92-5, Methyl Phenyl Carbinyl Acetate 94-59-7, Safrole 97-53-0, Eugenol 98-55-5 100-06-1 100-51-6, Benzyl alcohol, uses 100-52-7, Benzaldehyde, uses 100-66-3, Anisole, uses 100-86-7, Dimethyl benzyl carbinol 101-97-3, Ethyl phenyl acetate 103-05-9, Phenyl Ethyl dimethyl Carbinol 103-45-7, 2-Phenylethyl acetate 104-50-7, .gamma.-Octalactone 104-54-1, Cinnamic alcohol 104-57-4, Benzyl formate 104-61-0, .gamma.-Nonalactone 104-65-4, Cinnamyl formate 104-93-8 105-54-4, Ethyl butanoate 105-66-8, Propyl butanoate 106-24-1, trans-Geraniol 106-25-2, Nerol 106-44-5, p-Cresol, uses 106-68-3, Ethyl amyl ketone 107-75-5, Hydroxycitronellal 110-43-0, Methyl pentyl ketone 110-93-0, Methyl Heptenone 111-13-7, Methyl Hexyl ketone 119-36-8, Methyl salicylate 119-65-3, Isoquinoline 120-72-9, Indole, uses 122-00-9 122-03-2, Cuminaldehyde 122-63-4, Benzyl propionate 122-78-1, Phenylacetaldehyde 122-99-6, 2-Phenoxyethanol 123-11-5, p-Anisaldehyde, uses 123-51-3, Isoamyl alcohol 123-68-2, Allyl caproate 123-96-6, 2-Octanol 124-13-0, Octyl Aldehyde 134-20-3, Methyl anthranilate 140-11-4, Benzyl acetate 141-78-6, Ethyl acetate, uses 141-97-9, Ethyl acetoacetate 142-92-7, Hexyl acetate 151-05-3, Dimethyl benzyl carbinyl acetate 464-49-3, (+)-Camphor 470-82-6, Eucalyptol 488-10-8, cis-Jasmone 536-60-7, Cumic alcohol 562-74-3, 4-Terpinenol 610-16-2 624-54-4, Amyl Propionate 628-63-7, Amyl acetate 629-33-4, Hexyl formate 821-55-6, Methyl Heptyl ketone 925-78-0, 3-Nonanone 928-96-1, cis-3-Hexen-1-ol 1123-85-9, Hydratropic alcohol 1191-16-8, Prenyl acetate 1365-19-1, Linalool oxide 1632-73-1, Fenchyl alcohol 2244-16-8, (+)-Carvone 2305-21-7, 2-Hexen-1-ol 2550-26-7, Benzylacetone 3301-94-8, .delta.-Nonalactone 3681-71-8, cis-3-Hexenylacetate 4861-85-2, Isopropyl phenylacetate 4940-11-8, Ethyl Maltol 5392-40-5, Citral 6485-40-1, L-Carvone 7452-79-1 15439-16-4, Cyclal 16409-43-1, Rose oxide 22457-23-4, Stemonone 39255-32-8, Ethyl-2-methyl pentanoate 54140-14-6 68039-49-6, Triplal 76842-49-4, Frutene 124899-75-8 171102-41-3, Flor Acetate 234435-95-1, Methyl pamplemousse 449203-70-7, Violiff
 RL: TEM (Technical or engineered material use); USES (Uses) (delayed blooming perfume; **dishwashing** detergent compns.)

L430 ANSWER 4 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:464311 HCAPLUS
 DOCUMENT NUMBER: 137:34826
 TITLE: Liquid cleaning compositions having microbicidal activity for hard surface
 INVENTOR(S): Tadenuma, Hirohiko; Sonoda, Akiko; Okano, Tomomichi
 PATENT ASSIGNEE(S): Lion Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 34 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002173698	A2	20020621	JP 2000-403747	20001204
PRIORITY APPLN. INFO.:			JP 2000-403747	20001204
AB	The compns. comprise (1) teatree essential oils, exts., or corresponding compns., (2) surfactants, and (3) org. acids or their salts. The compns. are useful for cleaning hard surface as dishes , windows, etc. Thus, a compn. contg. teatree essential oil 1, C12 alkyl ether sulfuric acid ester sodium salt 10, C12 dimethylamine oxide 4, sodium benzoate 0.1, C12 polyoxyethylene alkyl ether 10, and lauryldiethanolamide 10% showed good microbicidal effect to staphylococcus aureus.			
IC	ICM C11D003-382 ICS A01N025-02; A01N025-30; A01N027-00; A01N031-04; A01N031-06; A01N043-22; A01N065-00; C11D003-20; C11D003-30; C11D017-08			
CC	46-6 (Surface Active Agents and Detergents)			
ST	liq cleaning compn microbicidal activity; teatree essential oil cleaning compn dish window			
IT	Detergents (liq.; liq. cleaning compns. having microbicidal activity for hard surface)			
IT	Essential oils RL: BSU (Biological study, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (teatree; liq. cleaning compns. having microbicidal activity for hard surface)			
IT	60-00-4, Ethylenediaminetetraacetic acid, uses 64-19-7, Acetic acid, uses 65-85-0, Benzoic acid, uses 77-92-9, Citric acid, uses 79-09-4, Propionic acid, uses 79-14-1, Glycolic acid, uses 110-15-6, Succinic acid, uses 124-04-9, Adipic acid, uses 124-07-2, Caprylic acid, uses 144-62-7, Oxalic acid, uses 532-32-1, Sodium benzoate 6915-15-7, Malic acid RL: BSU (Biological study, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (liq. cleaning compns. having microbicidal activity for hard surface)			
IT	80-56-8 , .alpha.-Pinene 99-86-5 , .alpha.-Terpinene 470-82-6 , 1,8-Cineol 562-74-3 RL: BSU (Biological study, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (teatree essential oils contg.; liq. cleaning compns. having microbicidal activity for hard surface)			

L430 ANSWER 5 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:760072 HCAPLUS
 DOCUMENT NUMBER: 135:305530
 TITLE: Compositions containing a biguanide antimicrobial

agent for cleaning and/or disinfecting a hard surface
and the process of using them
INVENTOR(S): Caselli, Alberto; Raso, Floriana
PATENT ASSIGNEE(S): The Procter & Gamble Company, USA
- SOURCE: Eur. Pat. Appl., 17 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1146112	A1	20011017	EP 2000-870073	20000414
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
WO 2001079410	A1	20011025	WO 2001-US11929	20010412
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: EP 2000-870073 A 20000414

AB The compns. for disinfecting and/or cleaning a hard-surface, e.g., walls, tiles, table tops, glass and **dishes**, etc., contains up to 20% a biguanide antimicrobial agent, e.g., polyalkylene biguanide, an essential oil or an active thereof and an org. acid or a salt thereof.

IC ICM C11D003-48
ICS C11D003-30; C11D003-382; C11D003-20; C11D003-37; A01N047-44; A01N065-00

CC 46-6 (Surface Active Agents and **Detergents**)
Section cross-reference(s): 10

ST polyalkylene biguanide antimicrobial agent hard surface disinfecting compn; essential oil hard surface cleaning compn

IT Antimicrobial agents
Cleaning
(compns. for cleaning and/or disinfecting a hard surface)

IT Disinfectants
(detergent; compns. for cleaning and/or disinfecting a hard surface)

IT Detergents
(disinfectant; compns. for cleaning and/or disinfecting a hard surface)

IT Carboxylic acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(disinfectant; compns. for cleaning and/or disinfecting a hard surface)

IT Carboxylic acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(peroxy, disinfectant; compns. for cleaning and/or disinfecting a hard surface)

IT Carboxylic acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polycarboxylic, disinfectant; compns. for cleaning and/or disinfecting a hard surface)

IT Carboxylic acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)

(salts, disinfectant; compns. for cleaning and/or disinfecting a hard surface)

IT 55-56-1, Chlorohexidine
 RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
 (Chlorohexidine; antimicrobial agent in compns. for cleaning and/or disinfecting a hard surface)

IT 32289-58-0, Vantocil IB
 RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
 (Vantocil IB; antimicrobial agent in compns. for cleaning and/or disinfecting a hard surface)

IT 69-72-7D, Salicylic acid, Me derivs. 77-53-2, Cedrol 80-57-9, Verbenone 89-83-8, Thymol 97-53-0, Eugenol 104-46-1, Anethol 104-54-1, Cinnamyl alcohol 104-55-2, Cinnamyl aldehyde 106-24-1, Geraniol 119-36-8, Methyl salicylate 470-82-6, Eucalyptol 499-44-5, Hinokitiol 499-75-2, Carvacrol 621-82-9, Cinnamic acid, uses 1135-24-6, Ferulic acid 1490-04-6, Menthol 2086-83-1, Berberine 8000-41-7, Terpeneol 30460-92-5, Pinocarvone
 RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
 (antimicrobial-active essential oil; compns. for cleaning and/or disinfecting a hard surface)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L430 ANSWER 6 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:578597 HCAPLUS
 DOCUMENT NUMBER: 135:124156
 TITLE: Bactericide combinations in detergents
 INVENTOR(S): Elsmore, Richard; Houghton, Mark Phillip
 PATENT ASSIGNEE(S): Robert McBride Ltd., UK
 SOURCE: Brit. UK Pat. Appl., 53 pp.
 CODEN: BAXXDU
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2354771	A1	20010404	GB 1999-23253	19991001
PRIORITY APPLN. INFO.:			GB 1999-23253	19991001
AB The detergent comprises a bactericide in combination with an anionic, cationic, nonionic or amphoteric surfactant which has a C12-18 alkyl group as the longest chain attached to the hydrophilic moiety. Creduret 50 (hydrogenated ethoxylated castor oil) 50, citric acid 12, formalin 10, sodium alkyl benzene sulfonate (C12-20) alkyl 1, perfume white line 0.5, detergent enzyme savingase 0.2, and bactericide Pr 4-hydroxybenzoate 1.0 parts formed a detergent, showing redn. activity after contact 2.				
IC ICM C11D003-48				
CC 46-6 (Surface Active Agents and Detergents)				
ST bactericide surfactant detergent				
IT Balsams				
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)				
(Canada; bactericide combinations in detergents)				
IT Amine oxides				

KOROMA EIC1700

RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C10-16-alkyldimethyl; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C12-14-alkyltrimethyl, chlorides; bactericide combinations in
detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C12-18-alkyl; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C14-18-alkyl; bactericide combinations in detergents)

IT Alcohols, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C16-18, ethoxylated; bactericide combinations in detergents)

IT Fatty acids, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C16-18, phentachlorophenyl esters; bactericide combinations in
detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C16-18-unsatd. alkyl; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C8-10-alkyl; bactericide combinations in detergents)

IT Fatty acids, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C8-10; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(C8-18-alkyl; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(N-C10-18-alkyltrimethylenediamines, reaction products with
chloroacetic acid; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(N-coco alkyltrimethylenediamines; bactericide combinations in
detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(N-tallow alkyltrimethylenediamines, ethoxylated; bactericide
combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)

(N-tallow alkyltrimethylenediamines; bactericide combinations in detergents)

IT Balsams
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (Peru; bactericide combinations in detergents)

IT Resins
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (Siam gum benzoin; bactericide combinations in detergents)

IT Anthracene oil
 (acid ext. for bactericide combinations in detergents)

IT Pimenta
 (acris; ext. for bactericide combinations in detergents)

IT Carboxylic acids, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (aliph., salts; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (alkylbenzyl dimethyl, chlorides; bactericide combinations in detergents)

IT Surfactants
 (amphoteric; bactericide combinations in detergents)

IT Surfactants
 (anionic; bactericide combinations in detergents)

IT Antibacterial agents
 Creosote
 (bactericide combinations in detergents)

IT Asphalt
 Coconut oil
 Creosote oil
 Epoxy resins, uses
 Hydrocarbon oils
 Paraffin oils
 Pyrethrins
 Tar acids
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (benzyl-C12-14-alkyldimethyl, chlorides; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (benzyl-C12-16-alkyldimethyl, chlorides; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (benzyl-C12-18-alkyldimethyl, chlorides; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)

(benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1); bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (benzyl-C16-18-alkyldimethyl, chlorides; bactericide combinations in detergents)

IT Almond (*Prunus amygdalus*)
 (bitter; ext. for bactericide combinations in detergents)

IT Essential oils
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (cade; bactericide combinations in detergents)

IT Essential oils
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (cassia; bactericide combinations in detergents)

IT Secretions (external)
 (castoreum; bactericide combinations in detergents)

IT Surfactants
 (cationic; bactericide combinations in detergents)

IT Essential oils
 RL: MOA (Modifier or additive use); USES (Uses)
 (cedar; for bactericide combinations in detergents)

IT Essential oils
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (clove; bactericide combinations in detergents)

IT Amines, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (coco alkyl, acetates; bactericide combinations in detergents)

IT Amines, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (coco alkyl; bactericide combinations in detergents)

IT Amines, uses
 Betaines
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (coco alkyldimethyl; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (coco alkyltrimethyl, chlorides; bactericide combinations in detergents)

IT Fatty acids, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (coco, reaction products with aminoethylaminoethanol, quaternized; bactericide combinations in detergents)

IT Amine oxides
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (cocoalkyldimethyl; bactericide combinations in detergents)

IT Balsams
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (copaiba; bactericide combinations in detergents)

IT Naphthenic acids, uses
Resin acids
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(copper salts; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(cypress; bactericide combinations in detergents)

IT Polysulfides
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(di-tert-nonyl; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(dialkyldimethyl, chlorides; bactericide combinations in detergents)

IT Quaternary ammonium compounds, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(dicoco alkyldimethyl, chlorides; bactericide combinations in
detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(dimethyltallow alkyl; bactericide combinations in detergents)

IT Coal tar
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(distillate; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(eucalyptus; bactericide combinations in detergents)

IT Abelmoschus moschatus
Allspice (Pimenta dioica)
Amyris balsamifera
Angelica archangelica
Aniba rosaeodora
Anise
Artemisia
Artemisia maritima
Camphor tree (Cinnamomum camphora)
Capsicum frutescens
Caraway (Carum carvi)
Chrysanthemum cinerariaefolium
Cinnamomum zeylanicum
Cistus ladanifer
Citrus medica
Coriander
Cumin
Cymbopogon citratus
Cymbopogon nardus
Cymbopogon winterianus
Dill
Dipteryx odorata
Evernia furfuracea
Evernia prunastri
Fennel (Foeniculum vulgare)

Fennel (*Foeniculum vulgare vulgare*)
Fir (*Abies balsamea*)
Gaultheria procumbens
Ginger
- Grapefruit
Guaiacum officinale
Hay
Hedeoma pulegioides
Helichrysum stoechas
Iris pseudacorus
Jasmine (*Jasminum grandiflorum*)
Juniper (*Juniperus communis*)
Juniper (*Juniperus mexicana*)
Juniper (*Juniperus virginiana*)
Laurus nobilis
Lavender (*Lavandula hybrida*)
Lavender (*Lavandula spica*)
Lime (*Citrus aurantifolia*)
Mandarin orange
Melaleuca alternifolia
Mentha arvensis piperascens
Musks
Myristica fragrans
Narcissus juncifolius
Parsley (*Petroselinum crispum*)
Patchouli
Peppermint (*Mentha piperita*)
Pimenta racemosa
Pine (*Pinus*)
Pine (*Pinus pumila*)
Pine (*Pinus sylvestris*)
Propolis
Rose (*Rosa damascena*)
Rosemary
Sage (*Salvia sclarea*)
Sandalwood (*Santalum album*)
Spanish marjoram
Spartium junceum
Speararmint (*Mentha spicata*)
St.-John's-wort (*Hypericum perforatum*)
Star anise (*Illicium verum*)
Thyme (*Thymus capitatus*)
Vaccinium myrtillus
Valerian (*Valeriana*)
Vetiveria zizanioides
Viola odorata
Wheat
Ylang-ylang (*Cananga odorata*)
 (ext. for bactericide combinations in detergents)
IT Bergamot (*Citrus bergamia*)
Birch (*Betula lenta*)
Birch (*Betula pendula*)
Ocimum basilicum
Savory (*Satureja hortensis*)
 (ext.; bactericide combinations in detergents)
IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
 (geranium; bactericide combinations in detergents)

IT Amines, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(hydrogenated tallow alkyl, acetates; bactericide combinations in
detergents)

IT Resin acids
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(hydrogenated, Me esters; bactericide combinations in detergents)

IT Collagens, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(hydrolyzates, [3-(dodecyldimethylammonio)-2-hydroxypropyl], chlorides;
bactericide combinations in detergents)

IT Naphthenic acids, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(iron salts; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(lavender; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(lemon, extn. residues; bactericide combinations in detergents)

IT Detergents
(liq.; bactericide combinations in detergents)

IT Fats and Glyceridic oils, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(margosa; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(mint, Mentha; bactericide combinations in detergents)

IT Perfumes
(myrrh; ext. for bactericide combinations in detergents)

IT Surfactants
(nonionic; bactericide combinations in detergents)

IT Resins
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(olibanum; bactericide combinations in detergents)

IT Resins
(opopanax; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(peppermint; bactericide combinations in detergents)

IT Essential oils
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(pine; bactericide combinations in detergents)

IT Fatty acids, uses
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
BIOL (Biological study); USES (Uses)
(potassium salts; bactericide combinations in detergents)

IT Protein hydrolyzates

RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (reaction products with undecenoyl chloride, salts; bactericide
 combinations in detergents)

- IT Pelargonium graveolens
 (sapond. ext. for bactericide combinations in detergents)

IT Orange
 (sour; ext. for bactericide combinations in detergents)

- IT Balsams
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (storax; bactericide combinations in detergents)

IT Orange
 (sweet, Valencia; ext. for bactericide combinations in detergents)

IT Almond (Prunus amygdalus)
 Orange
 (sweet; ext. for bactericide combinations in detergents)

IT Amines, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (tallow alkyl, ethoxylated, reaction products with chloroacetic acid;
 ext. for bactericide combinations in detergents)

IT Amines, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (tallow alkyl; bactericide combinations in detergents)

IT Fatty acids, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (tallow, reaction products with triethanolamine, quaternized;
 bactericide combinations in detergents)

IT Essential oils
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (thyme, Thymus vulgaris; bactericide combinations in detergents)

IT Balsams
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (tolu; bactericide combinations in detergents)

IT Balsams
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (tonka bean; bactericide combinations in detergents)

IT Amines, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (unsatd., C18; bactericide combinations in detergents)

IT Naphthenic acids, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (zinc salts; bactericide combinations in detergents)

IT 58999-88-5D, 1-Propanaminium, 3-amino-N,N,N-trimethyl-, derivs.
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (N-C12-18 acyl derivs., Me sulfates; bactericide combinations in
 detergents)

IT 50-00-0, Formaldehyde, uses 50-00-0D, Formaldehyde, reaction products,
 uses 50-14-6 50-21-5, uses 50-65-7 50-99-7, D-Glucose, uses
 51-03-6 51-28-5, uses 52-51-7 52-68-6 54-21-7 54-64-8 55-38-9

55-56-1 55-86-7 56-35-9 56-36-0 56-37-1 56-38-2 56-95-1
 57-09-0 57-10-3, Hexadecanoic acid, uses 57-15-8 57-24-9,
 Strychnidin-10-one 57-55-6D, Propylene glycol, reaction products with
 formaldehyde 58-36-6 58-89-9 59-50-7 59-87-0 **60-12-8**,
 Benzeneethanol 60-51-5 61-73-4 62-38-4 62-56-6, Thiourea, uses
 62-73-7 63-25-2 64-18-6, Formic acid, uses 64-18-6D, Formic acid,
 reaction products 64-19-7D, Acetic acid, derivs., uses 64-69-7
 67-20-9 67-63-0D, 2-Propanol, reaction products with boron trifluoride
 and 5-ethylidenebicyclo[2.2.1]hept-2-ene, uses 67-66-3, uses 67-68-5,
 uses 67-97-0 69-72-7, uses 70-55-3 71-23-8, 1-Propanol, uses
 71-41-0, 1-Pentanol, uses 72-43-5 72-56-0 74-83-9, uses 75-12-7D,
 Formamide, reaction products with formaldehyde, uses 75-21-8, Oxirane,
 uses 75-31-0, 2-Propanamine, uses 75-91-2 76-06-2 76-22-2
 76-39-1 76-87-9 77-42-9 77-48-5 77-49-6 77-78-1D, Dimethyl
 sulfate, quaternized with 9-octadecenoic acid/triethanolamine reaction
 products 77-78-1D, Dimethyl sulfate, quaternized with fatty
 acid/triethanolamine reaction products 77-92-9, uses 78-59-1
78-69-3 78-70-6 78-79-5D, Isoprene, reaction products
 with acetic acid 78-83-1, uses 78-92-2, 2-Butanol 79-07-2 79-08-3
 79-11-8, uses 79-11-8D, Chloroacetic acid, reaction products with
 N-C10-16-alkyltrimethylenediamines 79-11-8D, Acetic acid, chloro-,
 reaction products with diethylenetriamine N-mono- and di-C8-18-alkyl
 derivs., uses 79-14-1, uses 79-20-9 79-21-0, Ethaneperoxy acid
79-69-6 79-92-5D, 2,2-Dimethyl-3-
 methylenebicyclo[2.2.1]heptane, reaction products with 2-methoxyphenol,
 hydrogenated **80-26-2** 80-27-3 80-46-6 80-71-7 81-07-2D,
 1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, salts with quaternary ammonium
 compds., benzyl-C12-18-alkyldimethyl (1:1) 81-14-1 81-15-2 81-81-2
 81-82-3 82-66-6 83-34-1 83-79-4 84-65-1, 9,10-Anthracenedione
 84-66-2 84-74-2 85-91-6 87-10-5 87-17-2 87-20-7 87-22-9
 87-90-1 88-04-0 88-06-2 88-14-2, 2-Furancarboxylic acid 88-84-6
 89-68-9 89-78-1 **89-79-2** 89-83-8 90-05-1D, Phenol,
 2-methoxy-, reaction products with 2,2-dimethyl-3-
 methylenebicyclo[2.2.1]heptane, hydrogenated 90-13-1 90-17-5
 90-43-7, [1,1'-Biphenyl]-2-ol 90-43-7D, [1,1'-Biphenyl]-2-ol,
 chlorinated 90-87-9 91-20-3, Naphthalene, uses 91-61-2 91-64-5,
 2H-1-Benzopyran-2-one **93-15-2** 93-16-3 93-51-6 93-59-4,
 Benzenecarboxylic acid 93-65-2 93-69-6 **93-89-0** 94-13-3
 94-18-8 94-26-8 **94-36-0**, uses 94-96-2 95-14-7,
 1H-Benzotriazole 95-41-0 95-48-7, uses 96-24-2 96-29-7 97-23-4
 97-24-5 97-54-1 97-77-8 98-01-1, 2-Furancarboxaldehyde, uses
 98-11-3D, Benzenesulfonic acid, mono-C10-14-alkyl derivs., compds. with Me
 1H-benzimidazol-2-ylcarbamate, uses 98-53-3 **98-55-5** 99-49-0
 99-76-3 **99-86-5** 100-37-8 100-44-7, uses 100-51-6,
 Benzenemethanol, uses **100-52-7**, Benzaldehyde, uses 100-73-2
100-86-7 100-89-0 100-97-0, uses 101-20-2 101-21-3
 101-39-3 101-53-1 **101-84-8** 101-85-9 102-17-0
102-20-5 102-30-7 102-71-6D, copper complexes 102-71-6D,
 Triethanolamine, reaction products with 9-octadecenoic acid, di-Me
 sulfate-quaternized 102-98-7 **103-05-9** 103-26-4 103-52-6
 103-82-2, Benzeneacetic acid, uses **103-95-7** 104-09-6
 104-21-2 104-29-0 104-53-0, Benzenepropanal **104-54-1**
 104-55-2 104-60-9 **104-61-0** 104-62-1 **104-67-6**
 104-76-7 104-78-9 104-87-0 105-01-1 **105-66-8** 105-85-1
 105-87-3 105-90-8 106-22-9 **106-24-1** 106-25-2 106-30-9
 106-44-5, uses 106-46-7 106-70-7 106-72-9 106-73-0 106-79-6
 106-88-7 106-89-8, uses 107-02-8, 2-Propenal, uses 107-21-1D,
 Ethylene glycol, reaction products with formaldehyde 107-22-2,
 Ethanedial 107-41-5 107-43-7 **107-75-5** 107-95-9D,

.beta.-Alanine, N-coco alkyl derivs. 108-16-7 108-39-4, uses
 108-64-5 108-80-5, 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione 108-88-3,
 uses 108-89-4 108-94-1, Cyclohexanone, uses 108-95-2, Phenol, uses
 108-95-2D, Phenol, polypropene derivs., uses 108-99-6 109-21-7
 109-89-7, uses 110-05-4 110-15-6, Butanedioic acid, uses 110-27-0
 110-38-3 **110-41-8** 110-44-1 110-58-7, 1-Pentanamine
 110-62-3, Pentanal 110-75-8 110-86-1, Pyridine, uses 110-89-4,
 Piperidine, uses 111-11-5 111-27-3, 1-Hexanol, uses 111-30-8,
 Pentanedial 111-40-0D, 1,2-Ethanediamine, N-(2-aminoethyl)-, reaction
 products with 1-chlorooctane
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)

(bactericide combinations in detergents)

IT 111-40-0D, Diethylenetriamine, reaction products with chloroacetic acid,
 N-mono- and di-C8-18-alkyl derivs. 111-41-1D, 2-(2-
 Aminoethyl)aminoethanol, reaction with coco fatty acids, quaternized
 111-42-2, uses 111-46-6D, Diethylene glycol, reaction products with
 formaldehyde 111-61-5 111-81-9 111-82-0 111-85-3D, 1-Chlorooctane,
 reaction products with acetic acid and diethylenetriamine 111-85-3D,
 1-Chlorooctane, reaction products with N-(2-aminoethyl)-1,2-ethanediamine
 111-92-2 112-00-5 112-02-7 112-18-5 112-34-5D,
 2-(2-Butoxyethoxy)ethanol, reaction products with formaldehyde 112-38-9,
 10-Undecenoic acid 112-39-0 112-43-6, 10-Undecen-1-ol 112-45-8,
 10-Undecenal 112-53-8, 1-Dodecanol 112-54-9, Dodecanal 112-59-4
 112-61-8 112-69-6 112-72-1, 1-Tetradecanol 112-75-4 112-80-1D,
 9-Octadecenoic acid (9Z)-, reaction products with triethanolamine, di-Me
 sulfate-quaternized, uses 112-90-3 113-48-4 114-26-1 114-63-6
 115-29-7 115-31-1 115-32-2 115-71-9 116-25-6 117-18-0 117-52-2
 118-52-5 118-55-8 **118-58-1** 118-71-8 118-79-6
119-36-8 **119-61-9**, uses 120-32-1 120-47-8
120-50-3 120-51-4 120-57-0, 1,3-Benzodioxole-5-carboxaldehyde
 120-72-9, 1H-Indole, uses 121-32-4 121-33-5 121-44-8, uses
 121-54-0 121-65-3 121-75-5 122-07-6 122-14-5 122-18-9 122-19-0
 122-34-9 **122-40-7** 122-42-9 122-48-5 122-67-8
122-69-0 122-70-3 **122-78-1**, Benzeneacetaldehyde
 122-97-4, Benzenepropanol 122-99-6 123-05-7 123-11-5, uses
 123-29-5 123-30-8 123-32-0 123-66-0 124-04-9, Hexanedioic acid,
 uses 124-07-2, Octanoic acid, uses 124-09-4, 1,6-Hexanediamine, uses
124-13-0, Octanal **124-19-6**, Nonanal 124-22-1,
 1-Dodecanamine 124-43-6 124-65-2 124-76-5 126-06-7 126-11-4
 126-15-8 126-91-0 **127-41-3** 127-43-5 127-51-5 127-65-1
 127-90-2 **127-91-3** 128-03-0 128-04-1 128-08-5 128-09-6
 129-06-6 131-11-3 131-52-2 132-27-4 133-06-2 133-07-3 133-53-9
 134-20-3 134-28-1 134-62-3 135-79-5 136-45-8 136-53-8 136-77-6
 136-85-6 137-16-6 137-26-8 137-30-4 137-40-6 137-41-7 137-42-8
 138-93-2 139-07-1 139-08-2 140-10-3, uses **140-11-4**
 140-39-6 140-72-7 140-95-4 141-94-6 142-18-7 142-59-6
 142-62-1, Hexanoic acid, uses 142-71-2 143-07-7, Dodecanoic acid, uses
 143-08-8, 1-Nonanol 143-14-6, 9-Undecenal 143-50-0 144-55-8,
 Carbonic acid monosodium salt, uses 144-62-7, Ethanedioic acid, uses
 147-71-7 148-24-3, 8-Quinolinol, uses 148-79-8 149-30-4,
 2(3H)-Benzothiazolethione 149-57-5 150-78-7 **150-84-5**
 151-01-9 151-21-3, uses 156-62-7 298-12-4 299-84-3 300-76-5
 302-01-2, Hydrazine, uses 330-54-1 333-41-5 334-48-5, Decanoic acid
 359-37-5 379-52-2 404-86-4 470-43-9 **470-82-6** 473-34-7
 475-20-7D, reaction products with formic acid and boron trifluoride
488-10-8 489-86-1 498-81-7 499-83-2, 2,6-
 Pyridinedicarboxylic acid 502-61-4 504-24-5, 4-Pyridinamine 507-60-8
 507-70-0 514-51-2 515-00-4 515-69-5 520-45-6 527-07-1 532-32-1

533-74-4 534-18-9 535-89-7 536-59-4 **536-60-7** 538-71-6
 539-82-2 539-90-2 541-91-3 544-63-8, Tetradecanoic acid, uses
 551-92-8 556-61-6 557-08-4 576-55-6 577-11-7 582-25-2 584-79-2
 589-38-8, 3-Hexanone 589-66-2 591-12-8 597-09-1 615-62-3
 620-23-5 621-82-9, uses 624-15-7 625-51-4 626-82-4
628-63-7 638-37-9, Butanedial 639-58-7 643-79-8,
 1,2-Benzenedicarboxaldehyde 646-06-0, 1,3-Dioxolane 659-40-5
 683-10-3 688-73-3D, Stannane, tributyl-, mono(naphthenoyloxy) derivs.
692-86-4 695-10-3D, 1H-Imidazole-1-ethanol, 4,5-dihydro-,
 2-nortall-oil alkyl derivs. 696-59-3 699-02-5 705-86-2 706-14-9
 719-96-0 731-27-1 762-26-5 770-35-4 789-02-6 **821-55-6**,
 2-Nonanone 825-51-4 828-00-2 870-72-4 886-50-0 900-95-8
925-78-0, 3-Nonanone 929-73-7 959-55-7 971-66-4 991-42-4
 996-35-0 1000-82-4 1066-30-4

RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);

BIOL (Biological study); USES (Uses)

(bactericide combinations in detergents)

IT 1067-97-6 1085-12-7 1085-98-9 1111-67-7 1119-94-4 1119-97-7
 1120-24-7 1120-48-5 1121-30-8 1121-31-9 **1123-85-9**
 1135-66-6 1192-52-5 1205-17-0 1209-61-6 **1222-05-5**
 1300-71-6 1303-28-2, Arsenic oxide (As₂O₅) 1303-86-2, Boron oxide
 (B₂O₃), uses 1303-96-4D, Borax (B₄Na₂O₇·10H₂O), reaction products with
 sulfuric acid 1305-78-8, Calcium oxide, uses 1309-48-4, Magnesium
 oxide (MgO), uses 1310-58-3, Potassium hydroxide (K(OH)), uses
 1310-73-2, Sodium hydroxide (Na(OH)), uses 1314-13-2, Zinc oxide (ZnO),
 uses 1314-84-7, Zinc phosphide (Zn₃P₂) 1317-38-0, Copper oxide (CuO),
 uses 1317-39-1, Copper oxide (Cu₂O), uses 1319-77-3 1320-44-1
 1322-14-1 1323-00-8 1327-53-3, Arsenic oxide (As₂O₃) 1330-43-4,
 Boron sodium oxide (B₄Na₂O₇) 1331-83-5 1332-07-6 1332-65-6, Copper
 chloride hydroxide (Cu₂Cl(OH)₃) 1333-53-5 1333-58-0 1333-82-0,
 Chromium oxide (CrO₃) 1333-83-1, Sodium fluoride (Na(HF₂)) 1334-78-7
 1335-10-0 1335-12-2 1335-46-2 1341-49-7, Ammonium fluoride
 ((NH₄)(HF₂)) 1405-92-1 1414-45-5, Nisin A 1438-94-4 1446-61-3
 1490-04-6 1634-02-2 1643-20-5 1696-17-9 1715-30-6 1777-82-8
 1854-23-5 1854-26-8 1875-89-4 1885-38-7 1892-43-9 1897-45-6
 1983-10-4 2016-56-0 2019-69-4 2032-65-7 2050-08-0 2090-05-3
 2104-96-3 2120-70-9 2155-70-6 2216-51-5 2224-44-4
2244-16-8 2244-21-5 2275-23-2 2279-96-1, Butanediperoxoic
 acid 2305-25-1 2310-17-0 2372-82-9 2374-05-2 2390-68-3
 2436-90-0 2439-10-3 2445-76-3 2463-53-8, 2-Nonenal 2491-38-5
 2492-26-4 2500-83-6 2527-57-3 2527-58-4 2565-36-8 2571-88-2
 2631-40-5 2634-33-5, 1,2-Benzisothiazol-3(2H)-one 2639-63-6
 2682-20-4 2756-56-1 2782-57-2 2832-19-1 2871-78-5 2875-41-4D,
 Glycine, N-(3-aminopropyl)-, N'-C10-16-alkyl derivs., hydrochlorides
 2893-78-9 2921-88-2 3006-10-8 3033-23-6 3064-70-8 3090-35-5
 3142-72-1 3228-02-2 3302-10-1 3313-92-6 3332-27-2 3380-34-5
 3383-96-8 3398-33-2 3547-33-9 3586-55-8 3691-35-8 3696-28-4
 3697-42-5 3710-84-7 3766-81-2 3784-03-0 3785-34-0 3811-68-5
 3811-73-2 3811-75-4 3851-97-6 3926-62-3D, Acetic acid, chloro-,
 sodium salt, reaction products with 4,5-dihydro-1H-imidazole-1-ethanol
 2-norcoco alkyl derivs. and sodium hydroxide 3926-62-3D, Sodium
 chloroacetate, reaction products with B-C12-18 alkylmethylenediamines
 3984-22-3 4075-81-4 4080-31-3 4151-50-2 4169-04-4
4180-23-8 4182-44-9 4191-73-5 4247-02-3 4299-07-4
 4299-60-9 4317-72-0 4317-79-7 4342-36-3 4454-05-1D, reaction
 products with ethanol 4525-33-1 4574-04-3 4602-84-0 4707-47-5
 4719-04-4 4724-48-5 4824-78-6 **4940-11-8** 5026-62-0
 5039-78-1 5153-25-3 5197-80-8 5329-14-6, Sulfamic acid 5332-73-0
5392-40-5 5395-50-6 5437-45-6 5454-19-3 5462-06-6

5471-51-2 5538-94-3 5538-95-4 5598-13-0 5625-90-1 5725-96-2
 5836-29-3 5915-41-3 5972-76-9 6001-64-5 6011-99-0 6051-03-2
 6152-33-6 6317-18-6 6324-78-3 6378-65-0 6413-26-9 6440-58-0
6485-40-1 6542-37-6 6582-31-6 6834-92-0 6843-97-6
 6915-15-7 6939-35-1 6988-21-2 7080-50-4 7166-19-0 7173-51-5
 7173-62-8 7281-04-1 7287-19-6 7320-34-5 7378-99-6 7440-22-4,
 Silver, uses 7440-50-8, Copper, uses 7446-20-0, Zinc sulfate
 heptahydrate 7491-20-5 7491-21-6 7492-67-3 7540-51-4 7549-37-3
 7553-56-2, Iodine, uses 7601-54-9D, Trisodium phosphate, chlorinated
 7631-89-2 7631-90-5 7632-04-4 7637-07-2D, Boron trifluoride,
 reaction products with 2-propanol and 5-ethylidenebicyclo[2.2.1]hept-2-ene
 7640-33-7 7646-85-7, Zinc chloride (ZnCl₂), uses 7647-01-0,
 Hydrochloric acid, uses 7647-15-6, Sodium bromide (NaBr), uses
 7664-38-2, Phosphoric acid, uses 7664-41-7, Ammonia, uses 7664-93-9,
 Sulfuric acid, uses 7681-49-4, Sodium fluoride (NaF), uses 7681-52-9
 7681-55-2 7681-57-4 7681-93-8 7696-12-0 7697-37-2, Nitric acid,
 uses 7699-45-8, Zinc bromide (ZnBr₂) 7704-34-9, Sulfur, uses
 7722-64-7 7722-84-1, Hydrogen peroxide (H₂O₂), uses 7722-86-3,
 Peroxymonosulfuric acid 7726-95-6, Bromine, uses 7727-21-1 7733-02-0
 7747-35-5 7757-81-5

RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);

BIOL (Biological study); USES (Uses)

(bactericide combinations in detergents)

IT 7757-83-7 7758-02-3, Potassium bromide (KBr), uses 7758-19-2
 7758-89-6, Copper chloride (CuCl) 7758-98-7, Sulfuric acid copper(2+)
 salt (1:1), uses 7758-99-8 7775-09-9 7775-27-1 7778-39-4, Arsenic
 acid (H₃AsO₄) 7778-43-0 7778-50-9 7778-54-3 7778-66-7 7779-27-3
 7779-73-9 7779-78-4 7779-81-9 7782-44-7, Oxygen, uses 7782-50-5,
 Chlorine, uses 7783-20-2, Sulfuric acid diammonium salt, uses
 7783-90-6, Silver chloride (AgCl), uses 7786-29-0 7786-30-3, Magnesium
 chloride (MgCl₂), uses 7789-09-5 7789-12-0 7789-29-9, Potassium
 fluoride (K(HF₂)) 7789-33-5, Iodine bromide (IBr) 7790-28-5
 7790-99-0, Iodine chloride (ICl) 7803-51-2, Phosphine 8000-41-7,
 Terpeneol 8007-35-0 8018-01-7 9001-37-0 9002-91-9 9003-07-0D,
 Polypropylene, phenol derivs. 9003-29-6 9003-63-8 9003-99-0,
 Peroxidase 9004-82-4 9004-98-2 10028-15-6, Ozone, uses 10031-43-3
 10032-15-2 10043-35-3, Boric acid (H₃BO₃), uses 10049-04-4, Chlorine
 oxide (ClO₂) 10058-23-8 10101-41-4 10124-37-5 10154-75-3
 10187-52-7 10198-23-9 10222-01-2 10235-63-9 10294-64-1
 10332-33-9 10339-55-6 10345-79-6 10377-60-3 10378-23-1
 10380-28-6 10453-86-8 10460-00-1 10482-56-1 10486-00-7
 10543-57-4 10588-01-9 10588-15-5 10595-49-0 10605-21-7
 10605-21-7D, Methyl 1H-benzimidazol-2-ylcarbamate, compds. with
 benzenesulfonic acid mono-C10-14-alkyl derivs. 11031-45-1, Santalol
 11050-62-7 11084-85-8, Sodium hypochlorite phosphate (Na₃(ClO)(PO₄)₄)
 11096-42-7 12008-41-2, Boron sodium oxide (B₈Na₂O₁₃) 12062-24-7
 12069-69-1 12122-67-7 12124-97-9, Ammonium bromide ((NH₄)Br)
 12179-04-3 12267-73-1 12280-03-4 12427-38-2 13014-03-4
 13019-22-2, 9-Decen-1-ol 13052-19-2 13108-52-6 13149-79-6
 13167-25-4 13197-76-7 13254-34-7 13351-61-6 13426-91-0
 13435-05-7 13463-41-7 13463-67-7, Titanium oxide (TiO₂), uses
 13516-27-3 13517-11-8, Hypobromous acid 13532-18-8 13590-97-1
 13701-59-2 13707-65-8 13720-12-2 13755-29-8 13824-96-9
 13826-83-0 13840-33-0 13863-41-7, Bromine chloride (BrCl) 13877-91-3
 13980-04-6 14073-97-3 14371-10-9 14548-60-8 14576-08-0
 14667-55-1 14676-61-0D, 1-Propanamine, 3-(tridecyloxy)-, branched
 14762-38-0 14816-18-3 14915-37-8 14936-67-5 **15323-35-0**
 15435-29-7 15510-55-1 15627-09-5 15630-89-4 15707-23-0
 15733-22-9 15739-09-0 15809-19-5 15986-80-8 16079-88-2

16219-75-3D, 5-Ethylidenebicyclo[2.2.1]hept-2-ene, reaction products with boron trifluoride and 2-propanol 16228-00-5 **16409-43-1**

16491-36-4 16752-77-5 16828-95-8 16871-71-9 16893-85-9
 16919-19-0 16949-65-8 16961-83-4 17084-08-1 17342-21-1
 17804-35-2 18181-70-9 18181-80-1 18205-85-1 18339-16-7
 18472-51-0 18479-54-4 **18479-57-7** 18675-16-6 18675-17-7
 18794-84-8 18829-56-6 18854-01-8 18972-56-0 19014-05-2
 19093-20-0 19379-90-9 19388-87-5 19578-81-5 19766-89-3
 19819-98-8 19870-74-7 20013-73-4 20018-09-1 20543-04-8
 20545-92-0 20662-57-1 20679-58-7 20834-59-7 20859-73-8, Aluminum phosphide (AlP) 21129-27-1 **21145-77-7** 21564-17-0

21757-82-4 21834-92-4 22009-37-6 22205-45-4, Copper sulfide (Cu₂S)

22221-10-9 22248-79-9 22781-23-3 22882-89-9 22882-91-3
 22936-75-0 22981-54-0 23031-36-9 23495-12-7 23560-59-0
 23564-05-8 23726-92-3 23726-94-5 23787-90-8 24019-05-4
 24048-13-3 24111-17-9 24124-25-2 24291-45-0 24634-61-5
 24720-09-0 24851-98-7 25068-14-8 25155-18-4 25155-29-7
 25167-82-2 25225-10-9 25254-50-6 25265-71-8 25304-14-7
 25377-70-2 25628-84-6 25655-41-8 25988-97-0 26002-80-2
 26062-79-3 26172-55-4 26248-98-6 26354-18-7 26530-03-0
 26530-20-1 26545-49-3 26617-87-8 26635-93-8 26781-23-7
 27083-27-8 27176-87-0 27236-65-3 27253-29-8 27323-41-7
 27697-50-3 28069-74-1 28159-98-0 28219-61-6 28302-36-5

RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);

BIOL (Biological study); USES (Uses)

(bactericide combinations in detergents)

IT 28387-62-4 28434-00-6 28434-01-7 28558-32-9 28645-51-4,
 Oxacycloheptadec-10-en-2-one 28728-61-2 28772-56-7 28777-01-7
 28805-58-5 29232-93-7 29350-73-0 29463-06-7 29873-30-1
 29873-33-4 29973-13-5 30007-47-7 30388-01-3 30560-19-1
 30772-79-3 31075-24-8 31195-95-6 31218-83-4 31501-11-8
 31512-74-0 31906-04-4 32276-75-8 32289-58-0 32388-55-9
 33089-61-1 33704-61-9 33939-64-9 33972-49-5 34375-28-5
 34395-72-7 34413-35-9 34681-10-2 34911-46-1 35109-57-0
 35206-70-3 35285-68-8 35285-69-9 35367-38-5 35445-70-6
 35554-44-0 35575-96-3 35691-65-7 35950-52-8 36059-35-5
 36362-09-1 36631-23-9 36734-19-7 37139-99-4 37228-06-1
 37306-10-8, Chromium copper boride 38083-17-9 38260-54-7
 38460-95-6D, 10-Undecenoyl chloride, reaction products with protein hydrolyzates, potassium salts 38465-60-0 38664-03-8 38811-14-2
 39236-46-9 39300-45-3 39354-45-5 39515-40-7 39650-63-0,
 1H-Benzimidazole-2-pentanamine 39660-17-8 39758-90-2 40027-80-3
 40188-41-8 40596-69-8 41096-46-2 41877-16-1 42370-07-0
 42436-34-0 42534-61-2 43143-11-9 44992-01-0 46830-22-2
 46917-07-1 50542-90-0 50650-76-5 51015-28-2 51015-29-3
 51026-28-9 51200-87-4 **51566-62-2** 51580-86-0 51630-58-1
 52299-20-4 52304-36-6 52315-07-8 52513-11-8 52645-53-1
 52684-21-6 52684-23-8 52918-63-5 53082-58-9 53488-14-5
 53720-80-2 53727-58-5 54262-78-1 54406-48-3 54427-07-5, Copper boride **54464-57-2** 54720-15-9 54779-21-4 55142-08-0
 55406-53-6 55566-30-8 55722-59-3 55965-84-9 56073-07-5
 56073-10-0 56148-34-6 56148-37-9 56148-40-4 56289-76-0
 56427-82-8 56709-13-8 56996-62-4, Glokill 77 57006-76-5 57382-78-2
 57413-95-3 57503-06-7 57520-17-9 57576-09-7 57837-19-1
 58206-95-4 58499-25-5 58769-20-3 59323-76-1 59324-17-3
 59355-53-2, Citrex S 5 60114-62-7D, 1-Propanaminium,
 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., inner salts
 60168-88-9 60207-31-0 60207-90-1 60239-68-1 60568-05-0
 60736-58-5 60763-40-8 60784-31-8 60812-23-9 61692-81-7

61692-84-0 61702-91-8 61842-86-2 62476-84-0D, Guanidine,
 N,N''-1,3-propanediylbis-, N-coco alkyl derivs., acetates 62755-21-9
 63085-03-0 63333-35-7 63500-71-0 63619-09-0 63943-38-4
 64359-81-5 64440-88-6 64628-44-0 64665-57-2 64988-06-3
 65059-43-0 65289-97-6 65289-98-7 65290-00-8 65400-98-8
 65630-22-0 65694-09-9 65733-16-6 65733-18-8 66062-78-0
 66063-61-4 66065-55-2D, Benzenemethanaminium, N-(3-aminopropyl)-N,N-
 dimethyl-, chloride, N-coco acyl derivs. 66091-24-5D, 1-Propanaminium,
 3-amino-N-ethyl-N,N-dimethyl-, N-lanolin acyl derivs., Et sulfates
 66204-44-2 66215-27-8 66789-18-2 66841-25-6 67100-72-5
 67171-34-0 67185-04-0 67228-83-5 67485-29-4 67508-69-4
 67633-95-8 67633-98-1 67633-99-2 67634-01-9 67634-12-2
 67634-14-4 67634-15-5 67634-25-7 67634-26-8 67747-09-5
 67772-01-4 67801-33-6 67801-44-9 67801-47-2 67845-46-9
 67846-68-8 68085-85-8 68134-42-9 68155-66-8 68155-67-9
 68188-98-7 68213-85-4 68224-19-1 68359-37-5 68480-15-9
 68480-16-0 68527-77-5 68527-84-4 68738-96-5 68797-57-9
 68890-66-4 68901-15-5 68929-85-1 68959-20-6 68991-96-8
 68991-97-9 69094-18-4 69153-35-1 70161-44-3 70680-04-5
 70680-05-6 70754-17-5 70775-75-6 70788-30-6 70799-70-1
 70862-65-6 71297-57-9 71297-58-0 71297-59-1 71646-36-1
 72089-08-8 72490-01-8 72963-72-5 73264-51-4 73337-96-9D,
 .beta.-Alanine, N-(2-aminoethyl)-N-(2-hydroxyethyl)-, N-C8-18-acyl derivs.
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (bactericide combinations in detergents)
 IT 74774-67-7 75033-25-9 75147-23-8 76382-10-0D, .beta.-Alanine,
 N-(3-aminopropyl)-, N-coco alkyl derivs. 76653-57-1 76653-58-2
 76733-35-2 76749-58-1 76902-90-4 77492-36-5 77492-37-6
 77492-44-5 78144-21-5 78491-02-8 78587-05-0 79267-18-8
 79267-19-9 79267-20-2 79267-21-3 79267-22-4 81335-77-5
 81412-43-3, Tridemorph 81741-28-8 81786-73-4 81786-74-5 81786-75-6
 81867-37-0 82007-94-1 82432-76-6 82432-77-7 82432-78-8
 82633-79-2 82657-04-3 82790-32-7 82790-35-0 82790-36-1
 82790-38-3 82801-21-6 82801-25-0 82801-26-1 82801-27-2
 83145-28-2 83285-27-2 83601-71-2 84030-30-8 84233-90-9
 84233-92-1 84473-74-5 84631-78-7 84643-53-8 85264-33-1
 86115-11-9 86479-06-3 86880-59-3D, N-coco acyl derivs. 87118-95-4
 88308-77-4 88558-41-2 88995-31-7 89415-87-2 89960-92-9
 90117-66-1 91326-34-0 91465-08-6 92368-90-6 92585-24-5
 93345-88-1 93345-89-2 93345-90-5 93345-91-6 93345-92-7
 93778-80-4 93839-34-0 93856-82-7 93856-83-8 94005-95-5
 94248-21-2 94313-91-4 94361-06-5 94857-31-5 95737-68-1
 96565-37-6 97331-89-0 97331-92-5 97331-93-6 101463-69-8
 102851-06-9 103055-07-8 103298-77-7 103298-78-8 104063-25-4
 104133-05-3 104653-34-1 105024-66-6 105726-67-8 107534-96-3
 107879-22-1 108080-74-6 108166-32-1 108189-00-0 109780-03-2
 109835-67-8 109835-68-9 109835-69-0 111099-92-4 111099-93-5
 111337-53-2 114955-18-9 114955-19-0 114955-20-3 115044-19-4
 116255-48-2 118712-89-3 119515-20-7 119515-38-7 120068-37-3
 120217-93-8 120217-94-9 120983-64-4 121227-99-4 122538-65-2
 122795-41-9 125116-23-6 125770-49-2 125770-50-5 125770-51-6
 126646-06-8 126646-07-9 128275-31-0 136426-54-5 138261-41-3
 138265-88-0, Boron zinc hydroxide oxide (B12Zn4(OH)14O15) 138416-95-2
 138698-36-9 140194-01-0, 1,1,3-Propanetricarboxaldehyde 140194-02-1
 144768-02-5 146919-78-0 149118-66-1 154194-73-7 154339-84-1,
 Silver sodium zirconium phosphate (Ag0.19Na0.47Zr2(HPO4)0.34(PO4)2.66)
 154339-85-2 173291-51-5 173423-45-5, Silver sodium zirconium phosphate
 (Ag0.44Na0.25Zr2(HPO4)0.3(PO4)2.7) 187615-12-9 188739-94-8

191546-07-3 191546-08-4 199169-27-2 216770-11-5, Silver sodium zirconium phosphate (Ag_{0.05}Na_{0.3}Zr₂(HPO₄)_{0.65}(PO₄)_{2.35}) 251089-42-6 344931-17-5D, 1-Propanaminium, 3-amino-N-[2-[(2-hydroxyethyl)amino]-2-oxoethyl]-N,N-dimethyl-, chloride, N-C16-18 acyl derivs. 351224-25-4 351224-26-5

RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)

(bactericide combinations in detergents)

IT 9001-92-7, Protease

RL: NUU (Other use, unclassified); USES (Uses)

(bactericide combinations in detergents)

IT 87-86-5, Pentachlorophenol

RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);

BIOL (Biological study); USES (Uses)

(esters with fatty acids; bactericide combinations in detergents)

IT 65-85-0, Benzoic acid, uses

RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);

BIOL (Biological study); USES (Uses)

(r; bactericide combinations in detergents)

L430 ANSWER 7 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:290982 HCAPLUS

DOCUMENT NUMBER: 134:312855

TITLE: Stable liquid cleaning agent compositions containing low contents of limonene

INVENTOR(S): Kubono, Yumi; Watanabe, Takayo; Takano, Katsuyuki

PATENT ASSIGNEE(S): Kao Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2001115195	A2	20010424	JP 2000-236710	20000804
PRIORITY APPLN. INFO.:				JP 1999-224220	A 19990806
AB	Perfumes contain <85% limonene and perfumes having log-Pow 2.0-7.0 excluding limonene with the sum of limonene with the latter being >90%. Thus, a detergent contained 0.5% perfumes consisting of limonene 700, 1-menthol 200, menthone 50, and 1-carvone 50 parts.				
IC	ICM C11D003-50 ICS C11D003-18; C11D003-20				
CC	46-6 (Surface Active Agents and Detergents)				
ST	limonene menthone menthol carvone perfume liq detergent				
IT	Polyoxyalkylenes, uses				
	RL: TEM (Technical or engineered material use); USES (Uses) (alkyl ethers, sulfates; stable liq. cleaning agent compns. contg. low contents of limonene)				
IT	Glycosides				
	RL: TEM (Technical or engineered material use); USES (Uses) (alkyl; stable liq. cleaning agent compns. contg. low contents of limonene)				
IT	Detergents				
	(dishwashing; stable liq. cleaning agent compns. contg. low contents of limonene)				
IT	Detergents				
	(liq.; stable liq. cleaning agent compns. contg. low contents of				

KOROMA EIC1700

limonene)
 IT Surfactants
 (stable liq. cleaning agent compns. contg. low contents of limonene)
 IT Sulfobetaines
 RL: TEM (Technical or engineered material use); USES (Uses)
 (stable liq. cleaning agent compns. contg. low contents of limonene)
 IT 76-22-2, Camphor **78-70-6**, Linalool **88-41-5**,
 o-tert-Butylcyclohexyl acetate 89-78-1, Menthol **89-80-5**,
 Menthone 99-49-0, Carvone **115-95-7**, Linalyl acetate
 138-86-3, Limonene **142-19-8**, Allyl heptanoate **151-05-3**
 , Dimethylbenzyl carbonyl acetate **470-82-6**, 1,8-Cineol
 507-70-0, Borneol **3681-71-8**, cis-3-Hexenyl acetate 7388-22-9,
 .gamma.-Methylionone 176201-25-5, Aldehyde C-14 peach 335380-17-1,
 Aldehyde C16 Strawberry
 RL: MOA (Modifier or additive use); USES (Uses)
 (stable liq. cleaning agent compns. contg. low contents of limonene)
 IT 1643-20-5, Dimethylaurylamine oxide 9004-82-4, Polyethylene glycol
 lauryl ether sulfate sodium salt 13197-76-7 25322-68-3D, Polyethylene
 glycol, alkyl ethers, sulfates
 RL: TEM (Technical or engineered material use); USES (Uses)
 (stable liq. cleaning agent compns. contg. low contents of limonene)

L430 ANSWER 8 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:260222 HCAPLUS

DOCUMENT NUMBER: 134:282522

TITLE: **Dishwashing** detergent component with
 double-controlled perfume release

INVENTOR(S): Gassenmeier, Thomas; Millhoff, Juergen; Nitsch,
 Christian

PATENT ASSIGNEE(S): Henkel KGaA, Germany

SOURCE: Ger. Offen., 28 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19948667	A1	20010412	DE 1999-19948667	19991008
WO 2001027234	A1	20010419	WO 2000-EP9550	20000929
W: CA, CZ, HU, JP, KR, NO, PL, RO, SI, SK, TR, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				

PRIORITY APPLN. INFO.: DE 1999-19948667 A 19991008

OTHER SOURCE(S): MARPAT 134:282522

AB The title component contains esters (e.g., succinates), ethers, acetals or
 ketals of perfume alcs., aldehydes or ketones as perfume precursors
 0.1-20, meltable substances (m. >30.degree.) 20-99.9, and other agents
 and/or auxiliaries 0-60%. Such component releases the perfumes at the
 point where they will not be destroyed and will be noticed by the user,
 esp. when the **dishwashing** machine is opened after completion of
 a **dishwashing** cycle. No examples are given.

IC ICM C11D003-50

CC 46-6 (Surface Active Agents and **Detergents**)

ST **dishwashing** detergent perfume release control; perfume alc
 aldehyde ketone deriv controlled release **dishwashing** detergent

IT Glycosides

RL: TEM (Technical or engineered material use); USES (Uses)

(**dishwashing** detergent component with double-controlled perfume release comprising glycosides of perfume alcs.)

IT Perfumes

(**dishwashing** detergent component with double-controlled perfume release comprising perfume alc., aldehyde or ketone derivs.)

IT Fatty acids, uses

Paraffin waxes, uses

Polyoxyalkylenes, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(**dishwashing** detergent component with double-controlled perfume release comprising perfume alc., aldehyde or ketone derivs. and)

IT Detergents

(**dishwashing**; **dishwashing** detergent component with double-controlled perfume release comprising perfume alc., aldehyde or ketone derivs.)

IT Amino acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(esters; **dishwashing** detergent component with double-controlled perfume release comprising esters of perfume alcs.)

IT Fatty acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(esters; **dishwashing** detergent component with double-controlled perfume release comprising perfume alc., aldehyde or ketone derivs. and)

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(fatty, C12-24; **dishwashing** detergent component with double-controlled perfume release comprising perfume alc., aldehyde or ketone derivs. and)

IT Carboxylic acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(oxo, esters; **dishwashing** detergent component with double-controlled perfume release comprising esters of perfume alcs.)

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(perfume, derivs.; **dishwashing** detergent component with double-controlled perfume release comprising)

IT Aldehydes, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(perfume; **dishwashing** detergent component with double-controlled perfume release comprising acetals of)

IT Ketones, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(perfume; **dishwashing** detergent component with double-controlled perfume release comprising ketals of)

IT **60-12-8D**, Phenylethyl alcohol, esters, acetals and ketals **71-41-0D**, n-Pentanol, esters, acetals and ketals **78-69-3D**, Tetrahydrolinalool, esters, acetals and ketals **78-70-6D**, Linalool, esters, acetals and ketals **89-79-2D**, Isopulegol, esters, acetals and ketals **89-83-8D**, Thymol, esters, acetals and ketals **97-53-0D**, Eugenol, esters, acetals and ketals **97-54-1D**, Isoeugenol, esters, acetals and ketals **98-52-2D**, 4-tert-Butylcyclohexanol, esters, acetals and ketals **98-55-5D**, .alpha.-Terpineol, esters, acetals and ketals **98-85-1D**, .alpha.-Methylbenzyl alcohol, esters, acetals and ketals **100-51-6D**, Benzyl alcohol, esters, acetals and ketals **100-86-7D**, Dimethylbenzyl carbinol, esters, acetals and ketals **104-54-1D**, Cinnamic alcohol, esters, acetals and ketals **105-30-6D**, esters, acetals

and ketals 106-21-8D, Tetrahydrogeraniol, esters, acetals and ketals 106-22-9D, Citronellol, besters, acetals and ketals 106-24-1D, Geraniol, esters, acetals and ketals 106-25-2D, Nerol, esters, acetals and ketals 108-95-2D, Phenol, esters, acetals and ketals, uses 110-15-6D, Succinic acid, esters with perfume alcs. 111-27-3D, n-Hexanol, esters, acetals and ketals 111-70-6D, 1-Heptanol, esters, acetals and ketals 111-87-5D, 1-Octanol, esters, acetals and ketals, uses 112-30-1D, Decanol, esters, acetals and ketals 112-42-5D, Undecanol, esters, acetals and ketals 112-43-6D, 10-Undecen-1-ol, esters, acetals and ketals 116-02-9D, 3,5,5-Trimethylcyclohexanol, esters, acetals and ketals 118-55-8D, Phenyl salicylate, esters, acetals and ketals 118-58-1D, Benzyl salicylate, esters, acetals and ketals 118-61-6D, Ethyl salicylate, esters, acetals and ketals 121-32-4D, Ethyl vanillin, esters, acetals and ketals 121-33-5D, Vanillin, esters, acetals and ketals 122-97-4D, 3-Phenylpropanol, esters, acetals and ketals 122-99-6D, 2-Phenoxyethanol, esters, acetals and ketals 124-76-5D, Isoborneol, esters, acetals and ketals 137-32-6D, esters, acetals and ketals 138-87-4D, .beta.-Terpineol, esters, acetals and ketals 143-08-8D, Nonanol, esters, acetals and ketals 515-00-4D, Myrtenol, esters, acetals and ketals 584-02-1D, 3-Pentanol, esters, acetals and ketals 589-98-0D, 3-Octanol, esters, acetals and ketals 623-37-0D, 3-Hexanol, esters, acetals and ketals 1123-85-9D, 2-Phenylpropanol, esters, acetals and ketals 1333-49-9D, Dimethyloctanol, esters, acetals and ketals 1343-98-2D, Silicic acid, esters with perfume alcs. 1490-04-6D, Menthol, esters, acetals and ketals 2050-08-0D, Amyl salicylate, esters, acetals and ketals 2052-14-4D, Butyl salicylate, esters, acetals and ketals 4621-04-9D, 4-Isopropylcyclohexanol, esters, acetals and ketals 5502-75-0D, p-Menthan-7-ol, esters, acetals and ketals 6259-76-3D, Hexyl salicylate, esters, acetals and ketals 7664-38-2D, Phosphoric acid, esters with perfume alcs., uses 13019-22-2D, 9-Decen-1-ol, esters, acetals and ketals 13254-34-7D, 2,6-Dimethylheptan-2-ol, esters, acetals and ketals 13491-79-7D, 2-tert-Butylcyclohexanol, esters, acetals and ketals 18409-17-1D, trans-2-Octenol, esters, acetals and ketals 20851-55-2D, 4-Hepten-1-ol, esters, acetals and ketals 25485-88-5D, Cyclohexyl salicylate, esters, acetals and ketals 28069-72-9D, trans-2-cis-6-Nonadienol, esters, acetals and ketals 29063-28-3D, Octanol, esters, acetals and ketals 30385-25-2D, Dihydromyrcenol, esters, acetals and ketals 31502-14-4D, trans-2-Nonen-1-ol, esters, acetals and ketals 40709-05-5D, 6-Nonen-1-ol, esters, acetals and ketals 55066-48-3D, 3-Methyl-5-phenylpentanol, esters, acetals and ketals 93862-10-3D, Dimethylheptanol, esters, acetals and ketals 333717-33-2D, esters, acetals and ketals

RL: TEM (Technical or engineered material use); USES (Uses)

(**dishwashing** detergent component with double-controlled perfume release comprising perfume alc. derivs.)

IT 112-92-5, 1-Octadecanol 143-28-2 506-44-5, all-cis-9,12,15-Octadecatrien-1-ol 25322-68-3, Polyethylene glycol 25322-69-4, Polypropylene glycol 30303-65-2, Docosanol 36653-82-4, 1-Hexadecanol 71893-54-4

RL: TEM (Technical or engineered material use); USES (Uses)

(**dishwashing** detergent component with double-controlled perfume release comprising perfume alc., aldehyde or ketone derivs. and)

IT 80-54-6D, acetals 93-53-8D, Hydratropaldehyde, acetals 103-95-7D, Cyclamal, acetals 106-23-0D, Citronellal, acetals 107-75-5D, Hydroxycitronellal, acetals 112-54-9D, Dodecanal, acetals 124-13-0D, Octanal, acetals 5392-40-5D, Citral, acetals 39350-49-7D, Hexylcinnaminaldehyde, acetals 67634-15-5D, Floralozone,

acetals 68039-49-6D, Triplal, acetals

RL: TEM (Technical or engineered material use); USES (Uses)

(dishwashing detergent component with double-controlled
perfume release comprising perfume aldehyde derivs.)

IT 93-08-3D, Methyl .beta.-naphthyl ketone, ketals 99-49-0D, Carvone,
ketals 110-43-0D, Methyl amyl ketone, ketals 112-12-9D, Methyl
nonyl ketone, ketals 123-54-6D, 2,4-Pentanedione, ketals, uses
127-41-3D, .alpha.-Ionone, ketals 637-88-7D,
1,4-Cyclohexanedione, ketals 2550-26-7D, Benzylacetone, ketals
2630-39-9D, Methyl dihydrojasmonate, ketals 3796-70-1D, Geranylacetone,
ketals 7388-22-9D, .gamma.-Methylionone, ketals 84607-57-8D,
.beta.-Ionene, ketals

RL: TEM (Technical or engineered material use); USES (Uses)

(dishwashing detergent component with double-controlled
perfume release comprising perfume ketone derivs.)

L430 ANSWER 9 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:64109 HCAPLUS

DOCUMENT NUMBER: 134:133312

TITLE: Perfume compositions for laundry detergents and bleach

INVENTOR(S): Burggraave, Willy; Van Spaendonk, Vincentius Henricus
Adrianus Maria; Dresco, Pierre Antoine

PATENT ASSIGNEE(S): Procter and Gamble Company, USA

SOURCE: PCT Int. Appl., 96 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001005919	A2	20010125	WO 2000-US19369	20000714
WO 2001005919	A3	20010802		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1072673	A2	20010131	EP 2000-870065	20000410
EP 1072673	A3	20010321		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
BR 2000012672	A	20020409	BR 2000-12672	20000714
PRIORITY APPLN. INFO.:			EP 1999-870163	A 19990720
			EP 2000-870065	A 20000410
			WO 2000-US19369	W 20000714

AB A laundry and cleaning compn. comprises a bleaching system and a perfume compn. selected from .gtoreq.40% unsatd. perfume ingredients of ester, ether, alc., aldehyde, ketone, nitrile, lactone, schiff-bases, terpenes and derivs., cyclic alkene, cyclic oxide, oxime, and their mixts.

IC ICM C11D003-00

CC 46-5 (Surface Active Agents and Detergents)

ST perfume unsatd compd laundry detergent

IT Detergents
 (dishwashing; stable perfume comps. for laundry detergents
 contg. bleach)

IT Unsaturated compounds
 RL: MOA (Modifier or additive use); USES (Uses)
 (lactones; stable perfume comps. for laundry detergents contg. bleach)

IT Detergents
 (laundry; stable perfume comps. for laundry detergents contg. bleach)

IT Bleaching agents
 Fabric softeners
 Perfumes
 (stable perfume comps. for laundry detergents contg. bleach)

IT Alcohols, uses
 Aldehydes, uses
 Cycloalkenes
 Esters, uses
 Ethers, uses
 Ketones, uses
 Lactones
 Nitriles, uses
 Oximes
 Schiff bases
 Terpenes, uses
 RL: MOA (Modifier or additive use); USES (Uses)
 (unsatd.; stable perfume comps. for laundry detergents contg. bleach)

IT 78-70-6, Linalool 91-64-5, 1,2-Benzopyrone 104-54-1,
 3-Phenyl-2-propen-1-ol 106-22-9, 3,7-Dimethyl-6-octen-1-ol 106-23-0,
 3,7-Dimethyl-6-octen-1-al 106-24-1, Geraniol 111-79-5, Methyl
 2-nonenoate 127-91-3, ..beta..-Pinene 150-84-5,
 Citronellyl acetate 562-74-3 586-62-9, Terpinolene
 928-96-1, cis-3-Hexenol 1118-39-4 1191-16-8
 2305-21-7, 2-Hexen-1-ol 3155-71-3 3391-86-4, Amyl vinyl
 carbinol 5146-66-7, 3,7-Dimethyl-2,6-octadienenitrile
 7779-81-9, Isobutyl angelate 8000-41-7, Terpeneol 13019-22-2,
 9-Decen-1-ol 14303-70-9, Propyl Myristate 14374-92-6, Pelargene
 18479-58-8, 2,6-Dimethyl-7-octen-2-ol 19089-92-0, Hexyl 2-butenate
 24237-00-1 28219-61-6, Sanjinol 28371-99-5, Trimofix O 30385-25-2,
 Dihydro myrcenol 30631-14-2, Floralol 34902-57-3, Oxacyclohexadecen-2-
 one 35044-59-8 35206-51-0 43052-87-5, ..alpha..-Damascone
 50607-64-2 53018-24-9 54464-57-2, Iso E Super 56922-75-9
 56973-85-4, 4-Penten-1-one-, 1-(5,5-dimethyl-1-cyclohexen-1-yl)
 63512-40-3 65113-99-7 65405-77-8 66327-54-6 68039-73-6
 68419-46-5, 2,7-Dimethyloct-5-en-4-one 68845-02-3 68845-36-3
 68901-15-5 72403-67-9 76842-49-4, Frutene 77851-07-1
 80449-58-7, Vertofix coeur 81782-77-6, 4-Methyl-3-decen-5-ol
 81786-73-4, Acetyldiisoamylene 92585-24-5, 2-Methyl-4-phenyl-1-pentanol
 93893-89-1 93939-86-7 96518-30-8 97384-48-0 134769-33-8,
 3,12-Tridecadiene nitrile 321745-89-5 321848-12-8
 RL: MOA (Modifier or additive use); USES (Uses)
 (stable perfume comps. for laundry detergents contg. bleach)

L430 ANSWER 10 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:785893 HCAPLUS

DOCUMENT NUMBER: 133:336905

TITLE: Built granular automatic dishwashing
 compositions comprising blooming perfume for cleansing
 dishware, glassware, and cooking/eating
 utensils

INVENTOR(S): Trinh, Toan; Bacon, Dennis Ray; Chung, Alex Haejoon;

KOROMA EIC1700

PATENT ASSIGNEE(S): Blondin, Patricia Ann
 SOURCE: Procter & Gamble Co., USA
 U.S., 25 pp., Cont.-in-part of U.S. Ser. No. 618,522,
 abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6143707	A	20001107	US 1998-25480	19980218
CA 2249281	AA	19970925	CA 1997-2249281	19970308

PRIORITY APPLN. INFO.: US 1996-618522 B2 19960319
 AB Automatic **dishwashing** detergent compns. comprise a blooming
 perfume compn. contg. blooming perfume ingredients selected from those
 having a b.p. .ltorsim.260.degree. and a ClogP .gtorsim.3, and where the
 perfume compn. comprises .gtoreq.5 different blooming perfume ingredients,
 bleaching agent, 10-75% builder, and optionally, bleach catalysts, adjunct
 materials, and moisture-activated encapsulated perfume particles selected
 from cyclodextrin/perfume inclusion complexes and water sol. matrix
 perfume microcapsules. Preferred automatic **dishwashing** compns.
 further comprise amylase and/or protease enzymes. An example blooming
 perfume agent contained dihydro myrcenol, .alpha.-pinene, para-cymene,
 isononyl alc., tetrahydro linalool, d-limonene, verdox, and delayed
 blooming agents camphor gum, di-Me benzyl carbinol, eucalyptol, fenchyl
 alc., and dimetol.
 IC ICM C11D003-50
 ICS C11D003-395
 NCL 510220000
 CC 46-5 (Surface Active Agents and **Detergents**)
 ST blooming perfume automatic **dishwashing** detergent; amylase
 protease perfume automatic **dishwashing** detergent; bleach perfume
 automatic **dishwashing** detergent
 IT Bleaching agents
 Detergent builders
 Perfumes
 (built granular automatic **dishwashing** compns. comprising
 blooming perfume, builders, bleach, and encapsulated perfume for
 cleansing **dishware**, glassware, and cooking/eating utensils)
 IT Detergents
 (**dishwashing**, granular; built granular automatic
dishwashing compns. comprising blooming perfume, builders,
 bleach, and encapsulated perfume for cleansing **dishware**,
 glassware, and cooking/eating utensils)
 IT 60-12-8, Phenyl Ethyl Alcohol 75-85-4, Ethyl Dimethyl Carbinol
 78-69-3, Tetrahydro Linalool 78-70-6, Linalool
 79-92-5, Camphene 80-26-2, .alpha.-Terpinyl acetate
 80-56-8, .alpha.-Pinene 88-41-5, Verdox 89-79-2
 , Isopulegol 89-80-5, Menthone 89-82-7, (+)-Pulegone
 91-16-7 93-15-2, Methyl Eugenol 93-58-3, Methyl
 benzoate 93-89-0, Ethyl Benzoate 93-92-5, Methyl
 Phenyl Carbinyl Acetate 94-59-7, Safrole 97-53-0,
 Eugenol 99-85-4, .gamma.-Terpinene 99-86-5,
 .alpha.-Terpinene 99-87-6 100-06-1 100-51-6, Benzenemethanol, uses
 100-52-7, Benzaldehyde, uses 100-66-3, uses
 100-86-7, Dimethyl Benzyl Carbinol 101-84-8
 101-97-3, Ethyl Phenyl Acetate 103-37-7, Benzyl butyrate

103-38-8, Benzyl Iso Valerate 103-45-7, 2-Phenyl Ethyl Acetate
 104-50-7, .gamma.-Octalactone 104-54-1 104-57-4
 , Benzyl Formate 104-61-0 104-65-4, Cinnamyl Formate
 104-93-8 105-54-4, Ethyl butanoate 105-66-8, Propyl
 Butanoate 105-86-2, Geranyl Formate 105-87-3, Geranyl Acetate
 106-21-8, 3,7 Dimethyl-1-Octanol 106-22-9, Citronellol
 106-24-1, trans-Geraniol 106-25-2, Nerol 106-44-5, uses
 106-68-3, Ethyl Amyl Ketone 107-75-5, Hydroxycitronellal
 110-41-8, Methyl-n-Nonyl Acetaldehyde 110-43-0, Methyl
 Pentyl Ketone 110-93-0, Methyl Heptenone 111-13-7,
 Methyl Hexyl Ketone 112-31-2, Decyl Aldehyde 112-54-9,
 Lauraldehyde 115-95-7, Linalyl Acetate 115-99-1, Linalyl
 Formate 119-36-8, Methyl Salicylate 119-65-3,
 Isoquinoline 120-50-3, Isobutyl Benzoate 120-72-9, Indole,
 uses 122-00-9 122-03-2, Cuminic aldehyde 122-63-4,
 Benzyl Propionate 122-78-1, Phenyl Acetaldehyde 122-99-6,
 2-Phenoxy Ethanol 123-11-5, p-Anisaldehyde, uses 123-35-3,
 .beta.-Myrcene 123-51-3 123-68-2, Allyl caproate
 123-96-6, 2-Octanol 124-13-0, Octyl Aldehyde
 124-19-6, Nonyl Aldehyde 125-12-2, Isobornyl Acetate
 127-41-3, .alpha.-Ionone 127-91-3, .beta.-Pinene
 134-20-3 140-11-4, Benzyl Acetate 140-67-0, Methyl Chavicol
 141-12-8, Neryl Acetate 141-14-0, Citronellyl propionate
 141-78-6, Acetic acid ethyl ester, uses 141-97-9, Ethyl
 acetoacetate 142-19-8, Allyl Heptoate 142-92-7, Hexyl
 Acetate 143-13-5, Nonyl Acetate 150-84-5, Citronellyl
 Acetate 151-05-3, Dimethyl Benzyl Carbinyl Acetate
 464-49-3, (+)-Camphor 470-82-6, Eucalyptol
 488-10-8, cis-Jasmone 499-75-2, Carvacrol
 536-60-7, Cumic Alcohol 562-74-3, 4-Terpinenol
 624-54-4, Amyl Propionate 628-63-7, Amyl Acetate
 629-33-4, Hexyl Formate 673-84-7, Allo-Ocimene
 821-55-6, Methyl Heptyl Ketone 925-78-0, Ethyl Hexyl
 Ketone 928-94-9 928-96-1, cis-3-Hexen-1-ol 1123-85-9
 , Hydratropic Alcohol 1191-16-8, Prenyl Acetate
 1632-73-1, Fenchyl Alcohol 2244-16-8, (+)-Carvone
 2463-77-6, 2-Undecenal 2550-26-7, Benzyl Acetone
 2623-23-6 2705-87-5, Allyl cyclohexanepropionate
 3681-71-8, cis-3-Hexenyl Acetate 4180-23-8
 4861-85-2, Isopropylphenylacetate 5146-66-7, Geranyl
 Nitrile 5392-40-5, Citral 5434-57-1 5989-27-5 5989-33-3,
 Linalool oxide 6485-40-1, L-Carvone 13851-11-1,
 Fenchyl Acetate 15439-16-4, Cyclal 16409-43-1, Rose
 Oxide 16930-96-4, Hexyl Tiglate 18479-57-7, Tetrahydro
 Myrcenol 19009-56-4, Methyl Octyl Acetaldehyde
 21722-83-8, Cyclohexyl Ethyl Acetate 27458-94-2,
 Isononyl Alcohol 29350-73-0, Cadinene 30385-25-2, Dihydromyrcenol
 32210-23-4, Vertenex 40379-24-6, Isononyl Acetate
 41519-23-7, cis-3-Hexenyl Isobutyrate 51566-62-2,
 Citronellyl Nitrile 54140-14-6 57576-09-7, Isopulegyl acetate
 67883-79-8, cis-3-Hexenyl Tiglate 68039-49-6, Ligustral
 76842-49-4, Frutene 88969-41-9, Dihydromyrcenyl Acetate
 RL: MOA (Modifier or additive use); USES (Uses)

(built granular automatic **dishwashing** compns. comprising
 blooming perfume, builders, bleach, and encapsulated perfume for
 cleansing **dishware**, glassware, and cooking/eating utensils)

REFERENCE COUNT: 77 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L430 ANSWER 11 OF 18 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1998:151204 HCAPLUS
 DOCUMENT NUMBER: 128:194007
 TITLE: Automatic **dishwashing** detergents comprising
 .beta.-keto esters as fragrance delivery compounds
 INVENTOR(S): Sivik, Mark Robert; Severns, John Cort; Costa, Jill
 Conham
 PATENT ASSIGNEE(S): Procter & Gamble Company, USA; Sivik, Mark Robert;
 Severns, John Cort; Costa, Jill Conham
 SOURCE: PCT Int. Appl., 76 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 10
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9807812	A2	19980226	WO 1997-US14615	19970819
W:		AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
RW:		GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG		
AU 9739859	A1	19980306	AU 1997-39859	19970819
EP 922083	A2	19990616	EP 1997-937322	19970819
R:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI		
BR 9711316	A	19990817	BR 1997-11316	19970819
CN 1233281	A	19991027	CN 1997-198731	19970819
CN 1233282	A	19991027	CN 1997-198732	19970819
CN 1233283	A	19991027	CN 1997-198733	19970819
CN 1233284	A	19991027	CN 1997-198758	19970819
CN 1233947	A	19991103	CN 1997-198887	19970819
JP 2000516662	T2	20001212	JP 1998-510911	19970819
US 6083892	A	20000704	US 1999-242624	19990219
PRIORITY APPLN. INFO.:			US 1996-24117P P	19960819
			WO 1997-US14615 W	19970819

OTHER SOURCE(S): MARPAT 128:194007

AB The title detergents which provide an aesthetically pleasurable benefit to tableware and the automatic **dishwashing** appliance comprise .beta.-keto ester pro-fragrance compds. R1R2R3CCOR [R = alkoxy group derived from a fragrance raw material alc.; R1-R3 = H, C1-30 alkyl, C3-30 cycloalkyl, C6-30 (alkylene)aryl; R1R2R3 can form C6-30 (un)substituted ring, etc.] capable of releasing fragrance raw materials. A method for providing lasting fragrance to **dishware** and to automatic **dishwashing** appliances is also claimed. A typical detergent contained Na tripolyphosphate 45.0, Na2CO3 13.5, hydrated silicate 13.5, Poly-Tergent SLF 18B (nonionic surfactant) 2.0, Tergitol 1559 (ethoxylated secondary alc.) 1.0, protease 0.83, amylase 0.5, Na perborate monohydrate 14.5, Mn complex bleach catalyst 0.009, Bz2O2 4.4, 3,7-dimethyl-1,6-octadien-3-yl 3-(.beta.-naphthyl)-3-oxopropionate [prepn. by condensation of linalyl acetate with 2-naphthoyl chloride in presence of (Me2CH)2NLi in THF given] 1.7, minors, salts and H2O balance.

IC ICM C11D003-00

CC 46-6 (Surface Active Agents and **Detergents**)

ST **dishwashing** detergent keto ester profragrance; fragrance

precursor keto ester **dishwashing** detergent; methyloctadienyl naphthyloxopropionate prepn profragrance **dishwashing** detergent

IT Surfactants
(amphoteric; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT Surfactants
(anionic; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT Perfumes
(automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT Surfactants
(cationic; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT Detergents
(**dishwashing**; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT Surfactants
(nonionic; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT Carboxylic acids, uses
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(oxo, esters; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT Surfactants
(zwitterionic; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 25456-03-5P 203174-46-3P 203174-48-5P 203174-50-9P 203174-52-1P
203174-54-3P 203174-56-5P 203174-58-7P 203174-60-1P 203174-62-3P
203174-68-9P 203174-71-4P 203174-73-6P 203174-74-7P 203174-75-8P
203174-76-9P 203174-77-0P 203174-78-1P 203260-01-9P 203516-69-2P
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 100-07-2, p-Methoxybenzoyl chloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation with dihydromyrcenyl acetate; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 78-70-6, Linalool 53219-21-9, Dihydromyrcenol
RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation with diketene; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 764-85-2, Nonanoyl chloride 879-18-5, 1-Naphthoyl chloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation with dimethyloctadienyl acetate; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 100-44-7, Benzyl chloride, reactions 2528-61-2, Heptanoyl chloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation with dimethyloctadienyl oxobutyrate; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 122-04-3, p-Nitrobenzoyl chloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation with dimethyloctenyl acetate; automatic **dishwashing** detergents comprising .beta.-keto esters as

fragrance delivery compds.)

IT 674-82-8, Diketene
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (condensation with linalool; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 2243-83-6, 2-Naphthoyl chloride
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (condensation with linalyl acetate; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 80-26-2 115-95-7, Linalyl acetate 3681-71-8, cis-3-Hexenyl acetate 50816-18-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (condensation with naphthoyl chloride; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

IT 88969-41-9, Dihydromyrcenyl acetate
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (condensation with p-methoxybenzoyl chloride; automatic **dishwashing** detergents comprising .beta.-keto esters as fragrance delivery compds.)

L430 ANSWER 12 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:810266 HCAPLUS

DOCUMENT NUMBER: 128:24310

TITLE: Perfumed particulate detergent compositions for hand **dishwashing**

INVENTOR(S): Trinh, Toan; Bacon, Dennis R.; Blondin-Cook, Patricia A.; Chung, Alex H.

PATENT ASSIGNEE(S): Procter and Gamble Company, USA

SOURCE: Brit. UK Pat. Appl., 38 pp.

CODEN: BAXXDU

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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GB 2311296	A1	19970924	GB 1997-5617	19970318
GB 2311296	B2	19991229		
PRIORITY APPLN. INFO.:			US 1996-590551	19960319
			US 1996-770194	19961220

AB Disclosed are perfumed, dry particulate detergent and detergent/bleach compns. comprising anionic surfactant; solid builder and/or filler materials; and a blooming perfume compn. The components of the blooming perfume compn. are defined by their b.p. and their octanol/water partition coeff. Such compns., which optionally contain a Cl bleach, are useful for the hand washing of cook and/or eating utensils. The perfume component utilized therein is ready noticeable to the user of the compn. but does not spot or film surfaces washed using such compns. Thus, a detergent was obtained from a linear alkylbenzenesulfonate 25, Na tripolyphosphate 40, Na silicate 7.5, a blooming perfume 1.2, CM cellulose 1 and balance of water to 100%.

IC ICM C11D003-50

ICI C11D003-50, C11D001-02, C11D001-12, C11D003-02, C11D003-06, C11D003-065, C11D003-08, C11D003-10

CC 46-6 (Surface Active Agents and **Detergents**)

ST hand **dishwashing** detergent blooming perfume

IT Patchouli

(blooming perfumes for particulate detergent compns. contg. anionic

surfactants, solid builders or/and fillers)

IT Perfumes
(blooming, in perfumed particulate detergent compns. contg. anionic
surfactants, solid builders or/and fillers)

IT Detergents
(**dishwashing**, for hand washing; compns. contg. anionic
surfactants, solid builders or/and fillers and blooming perfumes of)

IT Terpenes, uses
RL: MOA (Modifier or additive use); USES (Uses)
(orange; blooming perfumes for particulate detergent compns. contg.
anionic surfactants, solid builders or/and fillers)

IT 60-12-8, Benzeneethanol 78-69-3 78-70-6
79-92-5 80-26-2 80-56-8 87-44-5
88-41-5 89-43-0 98-55-5 99-87-6 100-86-7
101-84-8 101-86-0 105-86-2 105-87-3 106-22-9
106-24-1 106-25-2 112-31-2, Decanal 115-95-7
119-61-9, uses 122-63-4 123-11-5, uses 123-35-3
125-12-2 127-41-3 127-91-3 470-82-6
488-10-8 562-74-3 586-62-9 1333-49-9
1632-73-1 2050-08-0 2630-39-9 3681-71-8
5392-40-5 5989-27-5 6259-76-3 7388-22-9 7585-39-9D,
.beta.-Cyclodextrin, inclusion compds. with perfumes 8000-41-7,
Terpineol 13254-34-7 18479-57-7 21677-96-3
27458-94-2, Isononanol 30385-25-2 51566-62-2
58985-02-7
RL: MOA (Modifier or additive use); USES (Uses)
(blooming perfumes for particulate detergent compns. contg. anionic
surfactants, solid builders or/and fillers)

IT 76-22-2
RL: MOA (Modifier or additive use); USES (Uses)
(gum, blooming perfumes for particulate detergent compns. contg.
anionic surfactants, solid builders or/and fillers)

L430 ANSWER 13 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:805812 HCAPLUS

DOCUMENT NUMBER: 128:49876

TITLE: Detergent compositions for laundry and
dishwashing, comprising cationic ester
surfactants and perfume compositions

INVENTOR(S): Dodd, Ian Martin; Thoen, Christiaan Arthur; Moss,
Michael Alan John; Cunningham, Philip Andrew

PATENT ASSIGNEE(S): Procter & Gamble Company, USA; Dodd, Ian Martin;
Thoen, Christiaan Arthur; Moss, Michael Alan John;
Cunningham, Philip Andrew

SOURCE: PCT Int. Appl., 72 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9745511	A1	19971204	WO 1997-US8234	19970515
W: BR, CA, MX, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
GB 2313601	A1	19971203	GB 1996-11322	19960531
EP 906384	A1	19990407	EP 1997-925580	19970515
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				

KOROMA EIC1700

BR 9709507 A 19990810 BR 1997-9507 19970515
 PRIORITY APPLN. INFO.: GB 1996-11322 19960531
 WO 1997-US8234 19970515

OTHER SOURCE(S): MARPAT 128:49876

AB The title perfume compns. contain a perfume component with a mol. wt. 150-350 or a precursor thereto, present at a level of 0.5-90% in the perfume compn. The cationic ester surfactants may be chosen from RCO₂(CH₂)₂-3N+Me₃, RCO₂CH₂CH₂N+Me₂CH₂CH₂OH and RCO₂CH₂CH₂N+Et₂Me, and a perfume compn. comprised benzyl salicylate 25, 4-tert-butylcyclohexyl acetate 15, .alpha.-hexylcinnamic aldehyde 15, benzyl acetate 10, 4-acetoxy-3-pentyltetrahydropyran 8, amyl salicylate 7, citronellal 7, tetrahydrolinalool 5, .alpha.-amylcinnamic aldehyde 5, and 7-acetyl-1,1,6,7-tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalene 3 parts.

IC ICM C11D001-62

CC 46-6 (Surface Active Agents and **Detergents**)

ST cationic ester surfactant laundry **dishwashing** detergent; perfume quaternary ammonium ester detergent

IT Patchouli
 (acid-washed perfume; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT Surfactants
 (cationic; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT Perfumes
 (detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT Detergents
 (**dishwashing**; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT Quaternary ammonium compounds, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (esters, surfactants; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT Detergents
 (laundry; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT Esters, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (quaternary ammonium, surfactants; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT Oak moss
 (synthetic perfume; detergent compns. for laundry and **dishwashing**, comprising cationic ester surfactants and perfume compns.)

IT 60-12-8, 2-Phenylethanol 78-69-3, Tetrahydrolinalool 80-54-6 91-64-5, Coumarin 101-86-0, .alpha.-Hexylcinnamic aldehyde 106-23-0, Citronellal 106-24-1, Geraniol 118-58-1, Benzyl salicylate 122-40-7 140-11-4, Benzyl acetate 1222-05-5, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta[g]-2-benzopyran 1333-52-4, Methyl naphthyl ketone 1506-02-1 2050-08-0, Amyl salicylate 5471-51-2, 4-(p-Hydroxyphenyl)butan-2-one 18871-14-2, 4-Acetoxy-3-pentyltetrahydropyran 32210-23-4, 4-tert-Butylcyclohexyl acetate 54464-57-2 68845-02-3 136897-67-1 186309-28-4, Karanal
 RL: NUU (Other use, unclassified); USES (Uses)

(perfume; detergent compns. for laundry and **dishwashing**,
comprising cationic ester surfactants and perfume compns.)

L430 ANSWER 14 OF 18 HCAPLUS COPYRIGHT 2003 ACS
 .ACCESSION NUMBER: 1997:640747 HCAPLUS
 .DOCUMENT NUMBER: 127:308659
 .TITLE: Built automatic **dishwashing** compositions
 comprising blooming perfume
 .INVENTOR(S): Trinh, Toan; Bacon, Dennis Ray; Blondin-Cook, Patricia
 Ann; Chung, Alex Haejoon
 PATENT ASSIGNEE(S): Procter & Gamble Co., USA
 SOURCE: PCT Int. Appl., 67 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9734987	A1	19970925	WO 1997-US3642	19970308
W: BR, CA, JP, MX				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2249281	AA	19970925	CA 1997-2249281	19970308
EP 888441	A1	19990107	EP 1997-914923	19970308
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
JP 11507096	T2	19990622	JP 1997-533509	19970308
PRIORITY APPLN. INFO.:				
			US 1996-618522	A 19960319
			WO 1997-US3642	W 19970308
AB	Automatic dishwashing detergent compns. comprise .gtoreq.50% blooming perfume ingredients having a b.p. .ltorsim.260.degree. and a log Pcalc. (ClogP) .gtorsim.3, and .gtoreq.5 different blooming perfume ingredients, bleaching agent, 10-75% builder, and optionally bleach catalysts. Preferred automatic dishwashing compns. further comprise amylase and/or protease enzymes for improved tea stain removal.			
IC	ICM C11D003-50 ICS C11D003-395; C11D003-39			
CC	46-6 (Surface Active Agents and Detergents)			
ST	blooming perfume automatic dishwashing detergent; amylase protease perfume automatic dishwashing detergent; bleach perfume automatic dishwashing detergent			
IT	Perfumes (blooming and delayed blooming; built automatic dishwashing compns. comprising bleach, builder, and blooming perfume)			
IT	Detergents (dishwashing , automatic; built automatic dishwashing compns. comprising bleach, builder, and blooming perfume)			
IT	60-12-8, Phenyl ethyl alcohol 76-22-2, Camphor 77-83-8, Ethyl methyl phenyl glycidate 78-69-3, Tetrahydro linalool 78-70-6 79-69-6, .alpha.-Irene 79-76-5, .gamma.-Ionone 79-77-6, .beta.-Ionone 79-92-5, Camphene 80-54-6, Lilial 80-56-8, .alpha.-Pinene 85-91-6, Methyl N-methyl anthranilate 87-44-5, .beta.-Caryophyllene 88-41-5, Verdox 89-48-5, Menthyl acetate 89-79-2, Isopulegol 89-80-5, Menthone 89-82-7, Pulegone 91-16-7, Veratrol 93-15-2 , Methyl eugenol 93-58-3 93-89-0, Ethyl benzoate 93-92-5, Methyl phenyl carbonyl acetate 94-59-7, Safrole 97-53-0, Eugenol 97-89-2, Citronellyl isobutyrate 98-55-5, .alpha.-Terpineol 99-85-4, .gamma.-Terpinene			

99-86-5, .alpha.-Terpinene 99-87-6, p-Cymene 100-06-1,
p-Methoxy acetophenone 100-51-6, Benzyl alcohol, uses 100-52-7
, Benzaldehyde, uses 100-66-3, uses 100-86-7, Dimethyl
benzyl carbinol 101-84-8, Diphenyl oxide 101-97-3,
Ethyl phenyl acetate 103-05-9, Phenyl ethyl dimethyl carbinol
103-37-7, Benzyl butyrate 103-38-8, Benzyl isovalerate
103-45-7 104-46-1, Anethol 104-54-1, Cinnamic alcohol
104-57-4, Benzyl formate 104-61-0, .gamma.-Nonalactone
104-65-4, Cinnamyl formate 104-93-8 105-54-4, Ethyl
butyrate 105-66-8, Propyl butyrate 105-86-2, Geranyl
formate 105-87-3, Geranyl acetate 106-22-9 106-24-1
106-25-2 106-44-5, p-Cresol, uses 106-68-3, Ethyl amyl ketone
107-75-5, Hydroxycitronellal 110-41-8, Methyl nonyl
acetaldehyde 110-43-0, Methyl amyl ketone 110-93-0
111-13-7, Methyl hexyl ketone 111-87-5, Octyl alcohol, uses
112-31-2, Decyl aldehyde 112-54-9, Lauric aldehyde
115-95-7, Linalyl acetate 115-99-1, Linalyl formate 119-36-
8, Methyl salicylate 119-65-3, Isoquinoline
120-50-3, Isobutyl benzoate 120-72-9, Indole, uses 122-00-9,
p-Methyl acetophenone 122-03-2, Cuminic aldehyde
122-63-4, Benzyl propionate 122-78-1, Phenyl
acetaldehyde 122-99-6 123-11-5, Anisic aldehyde, uses 123-35-3
, Myrcene 123-51-3, Isoamyl alcohol 123-68-2, Allyl
caproate 124-13-0, Octyl aldehyde 124-19-6, Nonyl
aldehyde 125-12-2, Isobornyl acetate 127-41-3,
.alpha.-Ionone 127-51-5, .alpha.-Iso methyl ionone 127-91-3,
.beta.-Pinene 134-20-3, Methyl anthranilate 140-11-4, Benzyl
acetate 140-67-0, Methyl chavicol 141-12-8, Neryl acetate
141-14-0, Citronellyl propionate 141-78-6, Ethyl
acetate, uses 141-97-9, Ethyl acetoacetate 142-19-8,
Allyl heptate 142-92-7, Hexyl acetate 143-13-5, Nonyl
acetate 150-84-5, Citronellyl acetate 151-05-3,
Dimethyl benzyl carbinyl acetate 470-82-6, Eucalyptol
488-10-8, cis-Jasmone 491-07-6, Isomenthone 499-75-2,
Carvacrol 536-60-7, Cuminic alcohol 562-74-3,
4-Terpinenol 586-62-9, Terpinolene 624-54-4, Amyl propionate
628-63-7, Amyl acetate 629-33-4, Hexyl formate
673-84-7, allo-Ocimene 821-55-6, Methyl heptyl ketone
925-78-0, Ethyl hexyl ketone 928-94-9 947-05-7, Dodecalactone
1123-85-9, Hydratropic alcohol 1191-16-8, Prenyl acetate
1333-49-9, Dimethyl octanol 1333-58-0, Isobutyl quinoline 1334-90-3
1337-83-3, Undecenal 1632-73-1, Fenchyl alcohol 2102-59-2
2244-16-8 2345-26-8, Geranyl isobutyrate 2550-26-7,
Benzyl acetone 3623-52-7, Isomenthol 3681-71-8, cis-3-Hexenyl
acetate 4395-92-0, p-Isopropyl phenylacetaldehyde 5392-40-5
5434-57-1 5989-27-5 5989-33-3, Linalool oxide 6485-40-1
7388-22-9, .gamma.-Methyl ionone 8007-35-0, Terpinyl acetate
13851-11-1, Fenchyl acetate 16409-43-1, Rose oxide
16930-96-4, Hexyl tiglate 18479-57-7, Tetrahydro
myrcenol 19009-56-4, Methyl octyl acetaldehyde 21145-77-7,
Tonalide 21677-96-3, Geranylnitrile 21722-83-8, Cyclohexyl
ethyl acetate 26444-19-9, Methyl acetophenone 27458-94-2,
Isononyl alcohol 28261-03-2, Hexenol 28933-77-9, Hexenyl acetate
29759-11-3 30385-25-2, Dihydromyrcenol 32210-23-4, Vertenex
40379-24-6, Isononyl acetate 51566-62-2, Citronellyl
nitrile 54140-14-6 54830-99-8 57576-09-7, Isopulegyl acetate
67883-79-8 68039-49-6, Ligustral 68039-49-6, Cyclal C
71662-23-2 76842-49-4, Frutene 92348-62-4D, lactone derivs.
179639-45-3 196791-41-0

RL: MOA (Modifier or additive use); USES (Uses)
 (built automatic **dishwashing** compns. comprising bleach,
 builder, and blooming perfume)

L430 ANSWER 15 OF 18 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1991:682515 HCAPLUS
 DOCUMENT NUMBER: 115:282515
 TITLE: Perfumed liquid detergent composition with storage
 stability
 INVENTOR(S): Persing, Klaus; Seichter, Eckhard; Sowada, Rudolf;
 Franke, Werner; Michel, Dieter; Rehschuch, Wolfgang
 PATENT ASSIGNEE(S): Leuna-Werke A.-G., Germany
 SOURCE: Ger. (East), 3 pp.
 CODEN: GEXXA8
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 292477	A5	19910801	DD 1990-338397	19900305
DD 292477	B5	19941208		

PRIORITY APPLN. INFO.: DD 1990-338397 19900305

AB Combinations of citral and/or citronellal, dihydromyrcenol and/or tetrahydrolinalolol (I), PhOCH₂CH₂OH, and eugenol and/or p-tert-butylhydroxyanisole (II) are useful as storage-stable perfumes in liq. laundry or **dishwashing** detergents and liq. cleaning compns. contg. active O-generating compds. A cleaning compn. contained alkylbenzenesulfonate 10.4, alkanesulfonate 6.7, alkyl ether sulfate 1.6, H₂O₂ 0.04, citral 0.05, citronellal 0.02, I 0.0175, II 0.0025, and PhOCH₂CH₂OH 0.03%, the balance being water.

IC ICM C11D003-50

CC 46-5 (Surface Active Agents and **Detergents**)

ST perfume stability liq detergent; citral perfume liq detergent; citronellal perfume liq detergent; dihydromyrcenol perfume liq detergent; tetrahydrolinalolol perfume liq detergent; phenoxyethanol perfume liq detergent; eugenol perfume liq detergent; butylhydroxyanisole perfume liq detergent; laundry detergent liq perfume; **dishwashing** detergent liq perfume; cleaner liq perfume

IT Perfumes and Essences
 (liq. detergents contg., storage-stable)

IT Bleaching agents
 (peroxygen, liq. detergents contg. perfume and, stable)

IT Detergents
 (cleaning compns., liq., contg. perfumes and peroxygen compds., stable)

IT Detergents
 (**dishwashing**, liq., contg. perfumes and peroxygen compds., stable)

IT Detergents
 (laundry, liq., contg. perfumes and peroxygen compds., stable)

IT 79-21-0, Peracetic acid 7632-04-4, Sodium perborate
 RL: USES (Uses)
 (liq. detergents contg. perfume and, stable)

IT **78-69-3**, 3,7-Dimethyloctan-3-ol **97-53-0**, Eugenol
 106-23-0 122-99-6, 2-Phenoxyethanol **5392-40-5** 18479-58-8,
 2,6-Dimethyl-7-octen-2-ol 25013-16-5
 RL: USES (Uses)
 (perfumes contg., liq. detergents contg., stable)

L430 ANSWER 16 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1988:633235 HCAPLUS

DOCUMENT NUMBER: 109:233235

TITLE: Malodor-free **dishwashing** detergent compositions

INVENTOR(S): Tosaka, Masaki; Izumi, Yu; Nakagawa, Junosuke

PATENT ASSIGNEE(S): Kao Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63092698	A2	19880423	JP 1986-239693	19861008
JP 05086998	B4	19931215		

PRIORITY APPLN. INFO.: JP 1986-239693 19861008

OTHER SOURCE(S): MARPAT 109:233235

AB The title detergents based on C12-18 .alpha.-olefinsulfonates or C10-16 alkylamine oxides contain C8-10 aliph. aldehyde, C7-15 arom. aldehyde, and/or lower alkyl anthranilate. A typical compn. comprised Na .alpha.-olefinsulfonate 6, polyoxyethylene ether sulfate Na salt 14, lauryldiethanolamide 4, EtOH 5, Na p-toluenesulfonate 2, octyl aldehyde 0.02, and water to 100%. A **dishcloth** washed with this detergent was free from malodor.

IC ICM C11D010-02

ICI C11D010-02, C11D001-14, C11D001-75, C11D003-20

CC 46-6 (Surface Active Agents and **Detergents**)ST aldehyde deodorant **dishwashing** detergent; olefinsulfonate**dishwashing** detergent deodorant; alkylamine oxide**dishwashing** detergent deodorant; alkyl anthranilate**dishwashing** detergent deodorant

IT Deodorants

(aldehydes and anthranilates, for olefinsulfonate-or amide oxide-based

dishwashing detergents)

IT Aldehydes, uses and miscellaneous

Esters, uses and miscellaneous

RL: USES (Uses)

(deodorants, for olefinsulfonate- or alkylamine oxide-based

dishwashing detergents)

IT Detergents

(**dishwashing**, olefinsulfonate- or alkylamine oxide-based

deodorants for, aldehydes and anthranilates as)

IT Amines, oxides

RL: USES (Uses)

(N-oxides, **dishwashing** detergents based on, deodorants for,

aldehydes and anthranilates as)

IT 80-54-6, p-tert-Butyl-.alpha.-methylhydrocinnamaldehyde 87-25-2, Ethyl

anthranilate 90-02-8, o-Hydroxybenzaldehyde, uses and miscellaneous

93-53-8, .alpha.-Methylphenylacetaldehyde **100-52-7**,

Benzaldehyde, uses and miscellaneous 101-86-0, .alpha.-

Hexylcinnamaldehyde 103-95-7, p-Isopropyl-.alpha.-

methylhydrocinnamaldehyde 104-53-0, 3-Phenylpropionaldehyde 104-55-2,

Cinnamaldehyde 106-23-0, 3,7-Dimethyl-6-octenal **107-75-5****112-31-2**, Decylaldehyde 120-57-0, 3,4-Methylenedioxybenzaldehyde

121-32-4, 3-Ethoxy-4-hydroxybenzaldehyde 121-33-5, 4-Hydroxy-3-

methoxybenzaldehyde 122-03-2, p-Isopropylbenzaldehyde 122-40-7, .alpha.-Amylcinnamaldehyde 122-78-1 123-11-5, p-Methoxybenzaldehyde, uses and miscellaneous 124-13-0, Octylaldehyde 124-19-6, Nonylaldehyde 134-20-3, Methyl anthranilate 1205-17-0 5392-40-5, 3,7-Dimethyl-2,6-octadienal
 RL: USES (Uses)
 (deodorants, for olefinsulfonate- or alkylamine oxide-based
dishwashing detergents)

L430 ANSWER 17 OF 18 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1983:128187 HCAPLUS
 DOCUMENT NUMBER: 98:128187
 TITLE: Liquid detergent compositions with tertiary alcohol skin feel additives
 INVENTOR(S): Jones, Keith A.; Walker, Harry S., Jr.
 PATENT ASSIGNEE(S): Procter and Gamble Co., USA
 SOURCE: U.S., 6 pp. Cont.-in-part of U.S. Ser. No. 193,050, abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4371461	A	19830201	US 1981-299692	19810908
EP 49546	A1	19820414	EP 1981-201084	19810930
EP 49546	B1	19841219		
R: AT, BE, CH, DE, FR, GB, IT, NL				
AT 10857	E	19850115	AT 1981-201084	19810930
CA 1160131	A1	19840110	CA 1981-387138	19811001
JP 58029899	A2	19830222	JP 1981-156312	19811002
PRIORITY APPLN. INFO.:			US 1980-193050	19801002
			US 1981-299692	19810908
			EP 1981-201084	19810930

AB Liq. detergent compns. are prep'd. which contain a C8-20 tertiary alc. such as linalool [78-70-6] and give washing solns. with a pH of <8.5. The washing solns. impart a desirable feel to skin during washing of **dishes**, hard surfaces, etc. Thus, a liq. detergent compn. contained ammonium C12-13-alkyl sulfate 6.5, RO(CH₂CH₂O)_nSO₃NH₄ (R = C12-13 alkyl, av. n = 12) 18.8, glycerol mono(C12-14-alkyl) ether sulfate ammonium salt 4, C12-14-alkyldimethylamine oxide 5, K toluenesulfonate 0.5, linalool 0.1, EtOH 8, and additives-water 57.1%.

IC C11D003-20; C11D003-46; C11D003-48; C11D017-08
 NCL 252547000
 CC 46-6 (Surface Active Agents and **Detergents**)
 ST **dishwashing** detergent skin compatibility; cleaner liq skin compatibility; alc detergent skin compatibility
 IT Detergents
 (**dishwashing**, liq., contg. tertiary alcs. for improved skin feel)
 IT Detergents
 (liq., contg. tertiary alcs. for improved skin feel)
 IT Alcohols, uses and miscellaneous
 RL: USES (Uses)
 (tertiary, liq. detergents contg., for improved skin feel)
 IT 78-69-3 78-70-6 98-55-5 142-50-7 151-19-9
 562-74-3 28977-58-4

RL: TEM (Technical or engineered material use); USES (Uses)
(detergents contg., liq., with improved skin feel)

L430 ANSWER 18 OF 18 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1982:408163 HCAPLUS
DOCUMENT NUMBER: 97:8163
TITLE: Liquid detergent composition
INVENTOR(S): Jones, Keith Anthony; Walker, Harry S., Jr.
PATENT ASSIGNEE(S): Procter and Gamble Co., USA
SOURCE: Eur. Pat. Appl., 18 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 49546	A1	19820414	EP 1981-201084	19810930
EP 49546	B1	19841219		
R: AT, BE, CH, DE, FR, GB, IT, NL				
US 4371461	A	19830201	US 1981-299692	19810908
AT 10857	E	19850115	AT 1981-201084	19810930
PRIORITY APPLN. INFO.:			US 1980-193050	19801002
			US 1981-299692	19810908
			EP 1981-201084	19810930

AB A liq. detergent compn. is mixed with 0.1-0.6% C8-20 tertiary alc., such as linalool [78-70-6], tetrahydrolinalool [78-69-3], 4-terpineol [562-74-3], .alpha.-terpineol [98-55-5], ocimenol [28977-58-4], or nerolidol [7212-44-4], to give improved mildness and smoothness in contact with skin. Thus, a **dishwashing** detergent contains ammonium C12-13 alkyl sulfate 6.5, ammonium C12-13 alkyl ethoxy(12) sulfate 18.8, ammonium C12-14 alkyl monoglyceryl ether sulfate 4, C12-14 alkyl dimethylamine oxide 5, K toluenesulfonate 0.5, linalool 0.1, EtOH 8, and water-additives 57.1%.

IC C11D001-68; C11D001-72; C11D001-75; C11D017-00

CC 46-5 (Surface Active Agents and **Detergents**)

ST alc tertiary detergent mildness; linalool detergent mildness skin; terpineol detergent mildness skin; **dishwashing** detergent mildness skin

IT Alcohols, uses and miscellaneous

(C8-20, tertiary, liq. detergents contg., for mildness to skin)

IT Detergents

(liq., tertiary alc.-contg., with mildness to skin)

IT 78-69-3 78-70-6 98-55-5 151-19-9

562-74-3 7212-44-4 28977-58-4

RL: USES (Uses)

(liq. detergents contg., for mildness to skin)